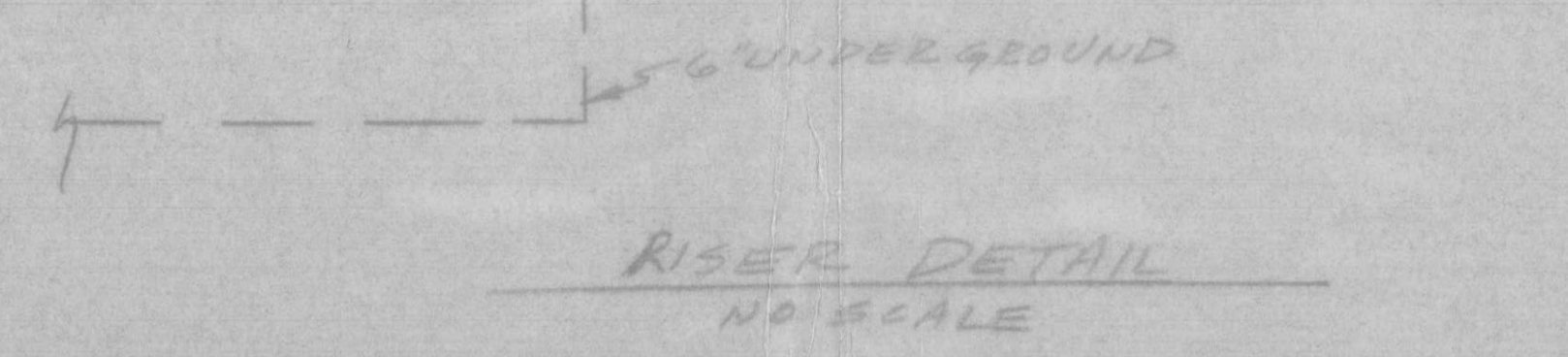
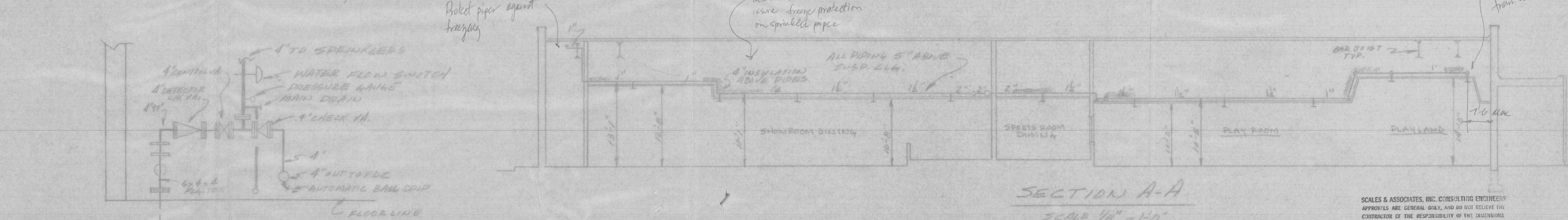


- GENERAL NOTES:**
1. LIGHT HAZARD PIPE SIZING AND SPRINKLER SPACING THROUGHOUT DINING AND SEATING AREAS
  2. ORDINARY HAZARD PIPE SIZING AND SPRINKLER SPACING FOR KITCHEN AND STORAGE ROOMS
  3. -H- DENOTES HANGER
  4. -S- DENOTES CHROME SPRINKLER HEAD PENDENT BELOW DROP CEILING WITH 1" DROP
  5. -O- DENOTES UPRIGHT SPRINKLER ON BRANCH LINE

- (A) 165° UPRIGHT BRASS
- (S) 165° PENDENT CHROME



SCALES & ASSOCIATES, INC. CONSULTING ENGINEERS  
 APPROVALS ARE GENERAL ONLY, AND DO NOT RELIEVE THE  
 CONTRACTOR OF THE RESPONSIBILITY OF THE DIMENSIONS,  
 COORDINATION AND COMPLIANCE WITH CONTRACT DOCUMENTS

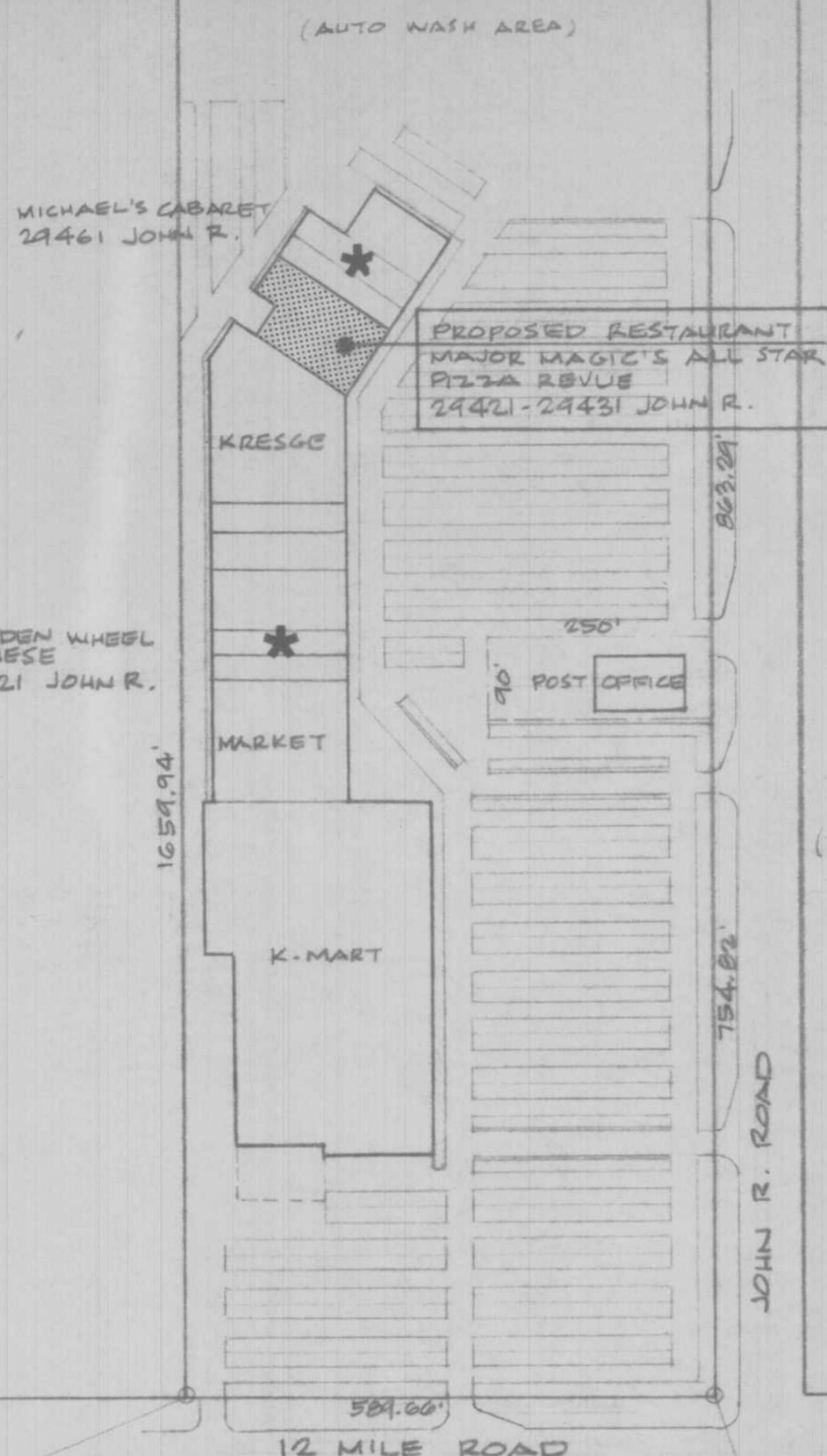
☐ APPROVED ☒ APPROVED AS NOTED ☐ NOT APPROVED RESUBMIT

DATE 10/25/82 BY CMB

NATIONAL FIRE PROTECTION CO.	
305 SOUTH GRATIOT MOUNT CLEMENS MI. 48043	
SCALE AS SHOWN	APPROVED BY: <i>[Signature]</i>
DATE OCT 25 82	REVISOR
MAJOR MAGIC'S MADISON CENTER	
FIRE PROTECTION SPRINKLERS	DRAWING NUMBER 1051

29421 John R





(NOTE  
TOTAL PARKING  
APPROX. 1440  
SPACES.)

*submit fire sprinkler plan*

CITY OF MADISON HTS.  
APPROVED  
FOR BUILDING PERMIT

PLANNING	<i>[Signature]</i>	10-7-82
ENGINEERING	<i>[Signature]</i> (AS NOTED)	9-28-82
PLUMBING	<i>[Signature]</i>	9-29-82
HEATING	<i>[Signature]</i>	10-7-82
ELECTRICAL	<i>[Signature]</i>	10-7-82
FIRE-DEPT.	<i>[Signature]</i>	
SITE PLAN	<i>[Signature]</i>	

FINAL APPROVAL IS SUBJECT TO  
FIELD INSPECTION

9/29/82

ELECTRICIAN  
Contact e i a Inspector  
Before Starting Work

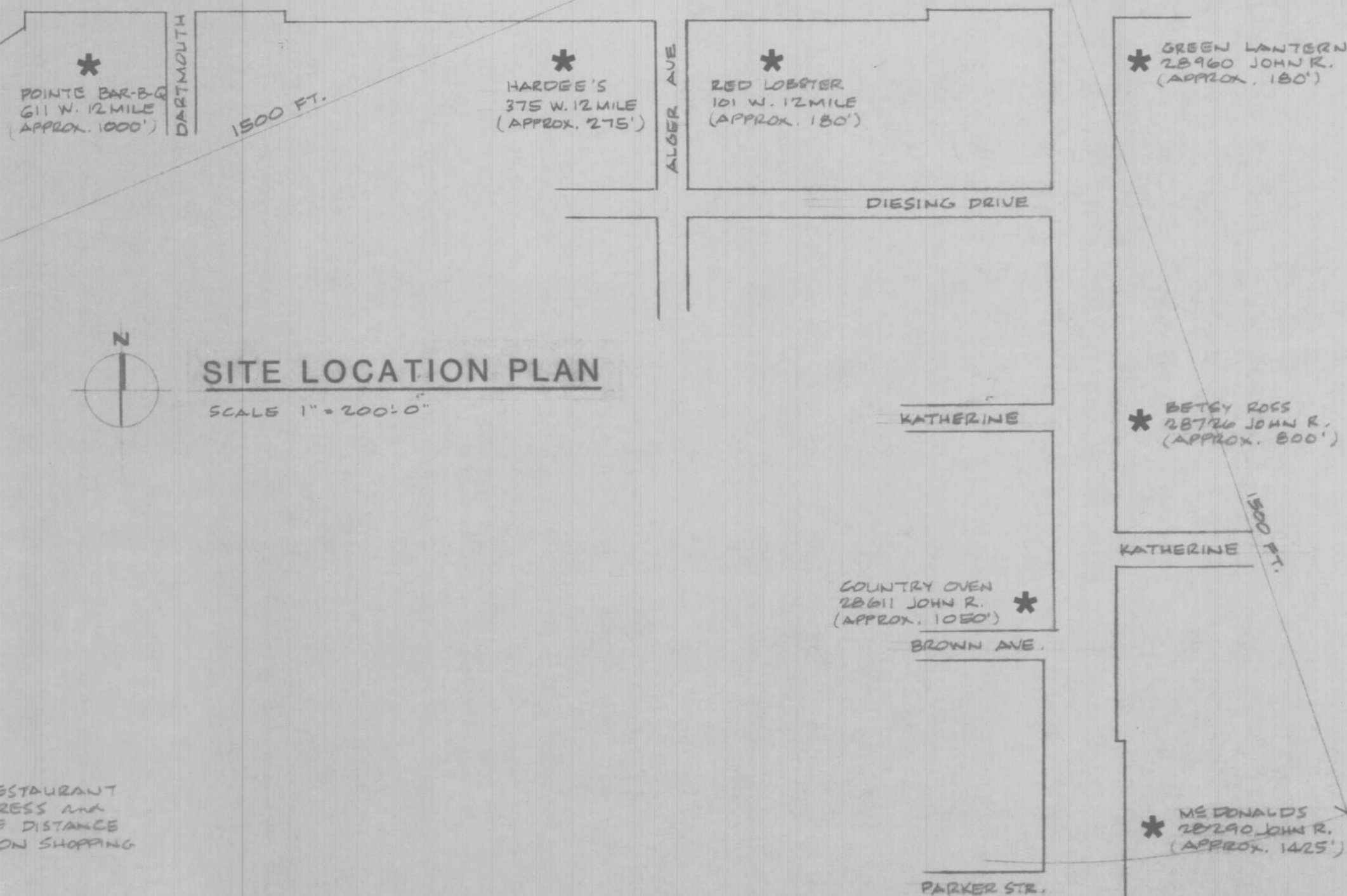
ELECTRICIAN  
Contact Electrical Inspector  
Before Starting Work

THIS BUILDING IS REQUIRED TO CONFORM  
TO THE STATE REQUIREMENTS FOR  
PHYSICALLY HANDICAPPED

NOTICE TO PERMIT APPLICANTS

These plans are approved subject  
to compliance with all Ordinances  
of the City of Madison Heights  
whether marked yes or no.

*[Signature]*  
City Inspector



LEGEND  
\* EXISTING RESTAURANT  
STREET ADDRESS AND  
APPROXIMATE DISTANCE  
FROM MADISON SHOPPING  
CENTER.)

(CITY COPY)

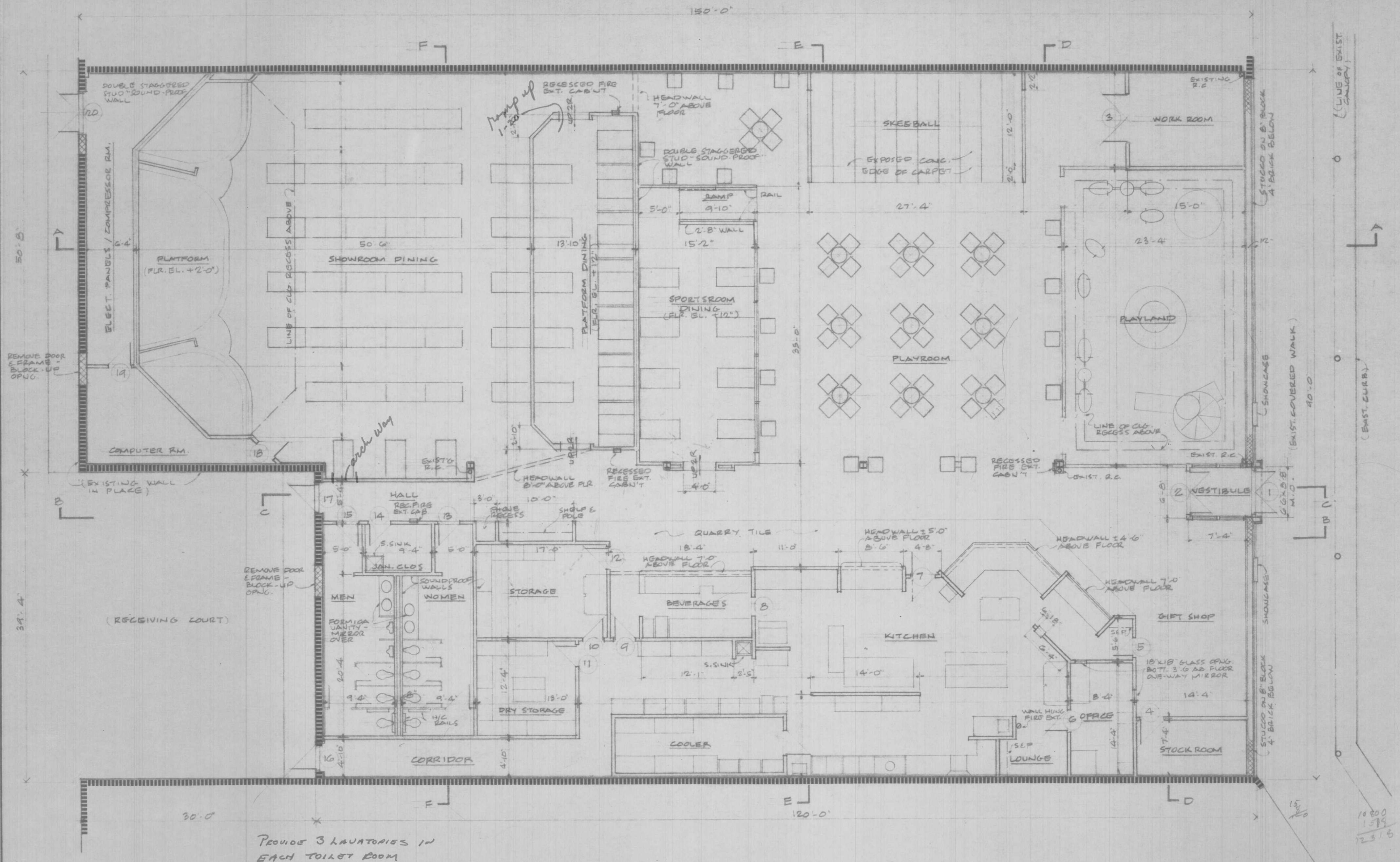
PROJECT:	MAJOR MAGIC'S - MADISON CENTER	NUMBER:	8219
KLAETKE + MARINO, ARCHITECTS			
508 MICHIGAN BUILDING		220 BAGLEY	DETROIT, MICHIGAN 48226 (313) 963-2735
DATE: 9-29-82			SHEET: 1

MAJOR MAGIC'S - 29421-31 JOHN R.





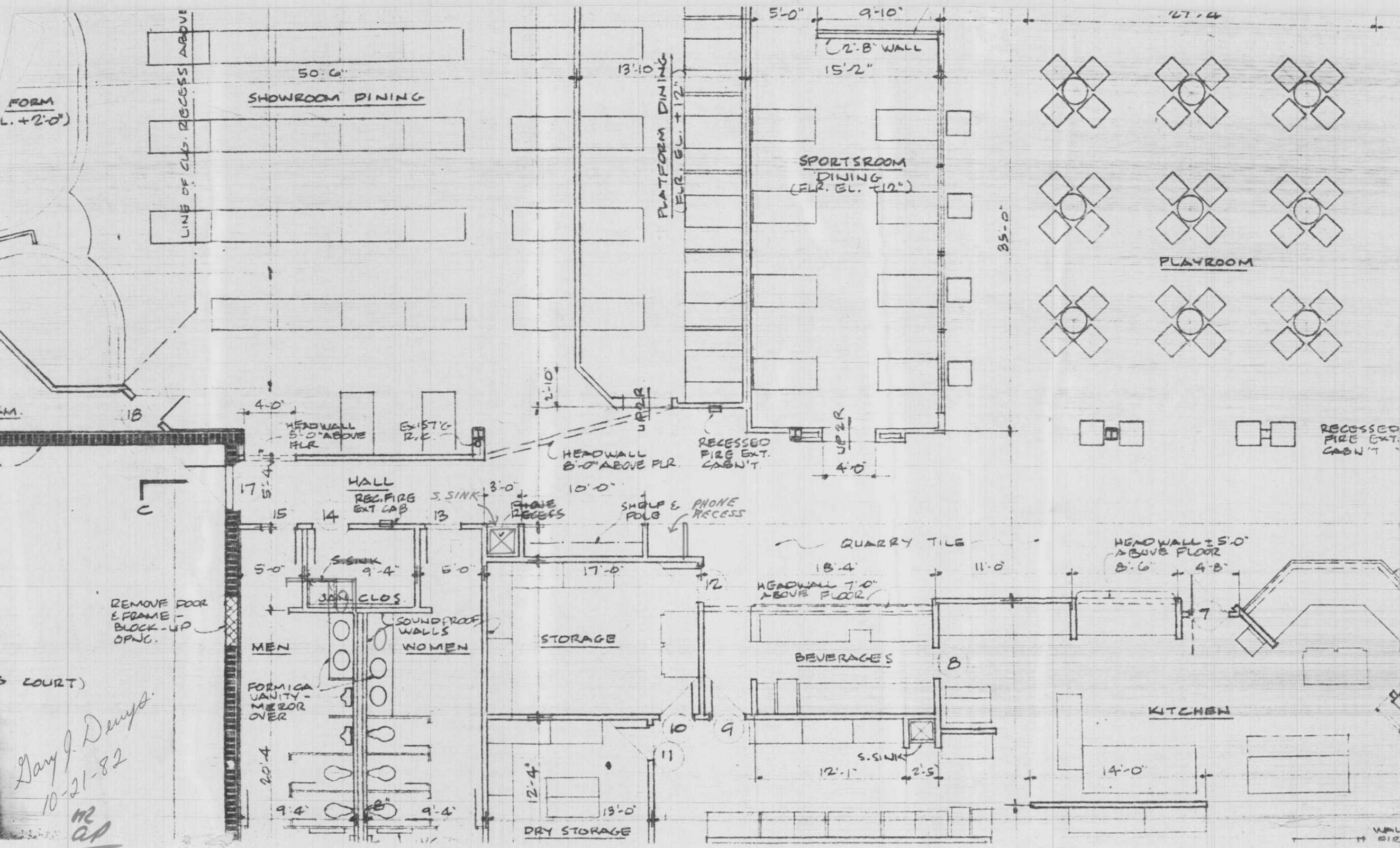




**FLOOR PLAN**  
 SCALE 1/8" = 1'-0"  
 NOTE -  
 NEW FIRE PROTECTION  
 SPRINKLER SYSTEM FOR  
 ENTIRE AREA.



FORM  
L. + 2'-0"



COURT)

Dary J. Demps

10-21-82

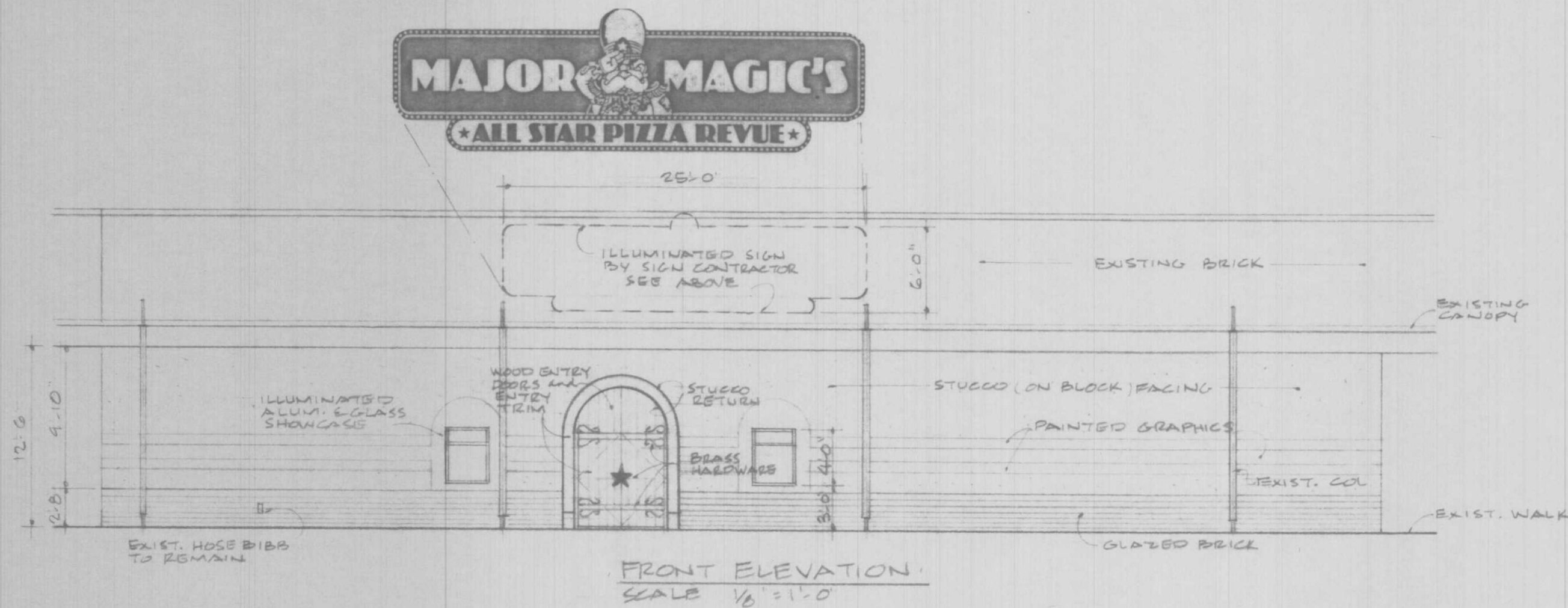
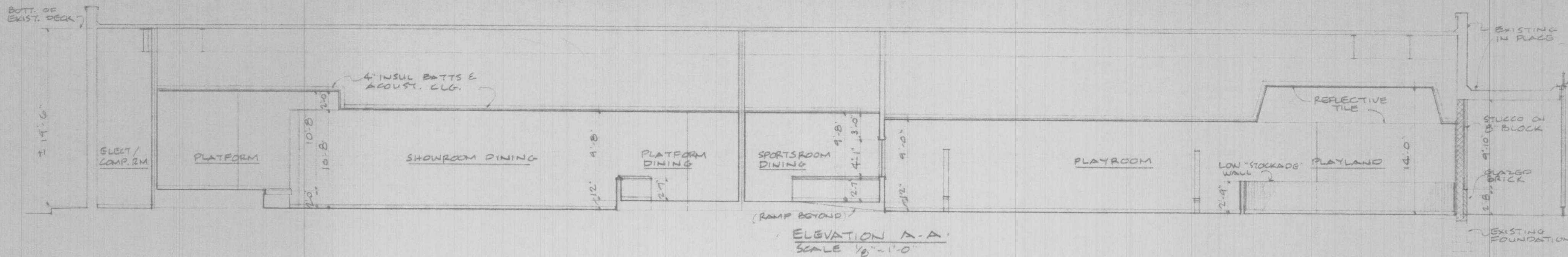
MR  
QP



NR	DOOR SIZE	DOOR		FRAME		THRES		MISC.		REMARKS
		MATERIAL	FIN.	MATERIAL	FIN.	MATERIAL	FIN.			
		WOOD / SOLID CORE HOLLOW METAL / MSUL		WOOD HOLLOW METAL		ALUMINUM MARBLE				
			PAINT		PAINT			CLASER		
								PANIC HARDWARE		
								EXIT ALARM		
								DEAD BOLTS / HEAD & SIL		
								DOOR BELL		
								VISION PANEL		
1	2/3-0 x 6-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VIEWER + WEATHERSTRIP
2	2/3-0 x 6-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	2/3-0 x 6-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	2-0 x 6-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	2-6 x 6-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6	2-8 x 6-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7	3-0 x 6-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	DOUBLE ACTING DOOR
8	2-8 x 6-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OPNS. ONLY - NO DOOR
9	2-8 x 6-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10	3-4 x 6-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
11	3-6 x 6-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
12	3-6 x 6-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13	3-0 x 6-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
14	3-0 x 6-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
15	3-0 x 6-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
16	3-6 x 7-0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
17	3-6 x 7-0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VIEWER + WEATHERSTRIP
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19	3-0 x 6-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
20	2/2-6 x 7-0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WEATHERSTRIP
21										
22										
23										
24										

ROOM NAME	FLOOR		BASE		WALLS		CEILING		REMARKS
	MATERIAL	FIN.	MATERIAL	FIN.	MATERIAL	FIN.	MATERIAL	FIN.	
	SEALED CONCRETE		4" VINYL		PAINT		EXPOSED CONSTR'N.		
	CARPET		QUARRY / CER. / COVE		VINYL WALLCOVERING		ACUSTIC TILE		
	QUARRY TILE		GYPSUM BOARD		CERAMIC TILE		ACUST. TILE / REFLECTIVE		
	VINYL ASBESTOS		EXP. BLOCK		FRP PANELING		GYPSUM BOARD		
	CERAMIC TILE								
VESTIBULE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8-0
PLAYLAND	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14-0
WORK ROOM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10-0
PLAYROOM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10-0
GIFT SHOP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10-0
STOCK ROOM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10-0
OFFICE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10-0
LOUNGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10-0
KITCHEN	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10-0
BEVERAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10-0
COOLER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10-0
CORRIDOR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10-0
DRY STORAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10-0
STORAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10-0
HALL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10-0
WOMEN'S T.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8-0
JANITOR CLOS.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8-0
MEN'S T.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8-0
SPORTSPOON DINING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9-8
PLATFORM DINING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9-8
SHOWROOM DINING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10-8
PLATFORM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10-8
COMPUTER ROOM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8-0
ELECT. / COMP. RM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8-0





PROJECT:

MAJOR MAGIC'S - MADISON CENTER

NUMBER:

8219

**KLAETKE + MARINO, ARCHITECTS**

508 MICHIGAN BUILDING

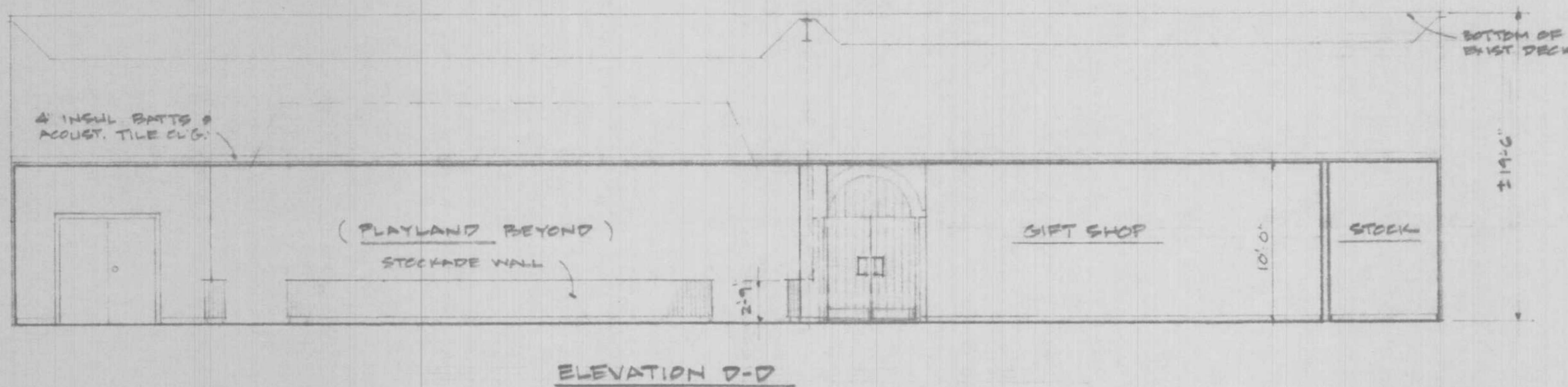
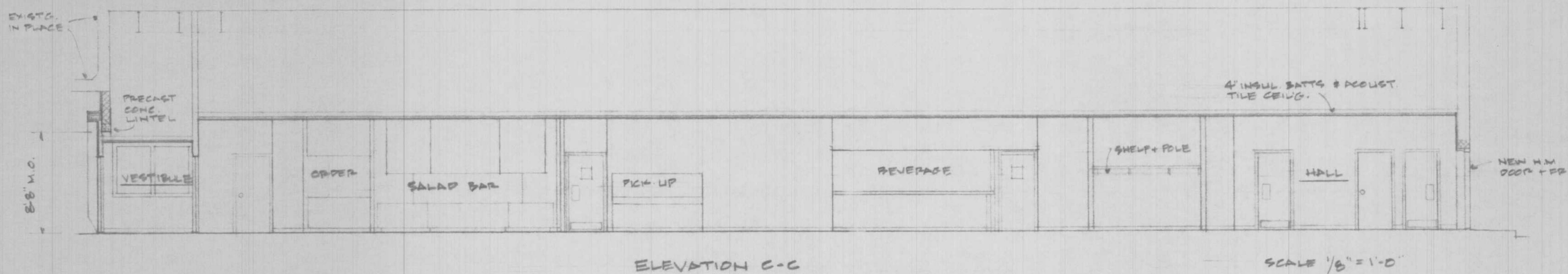
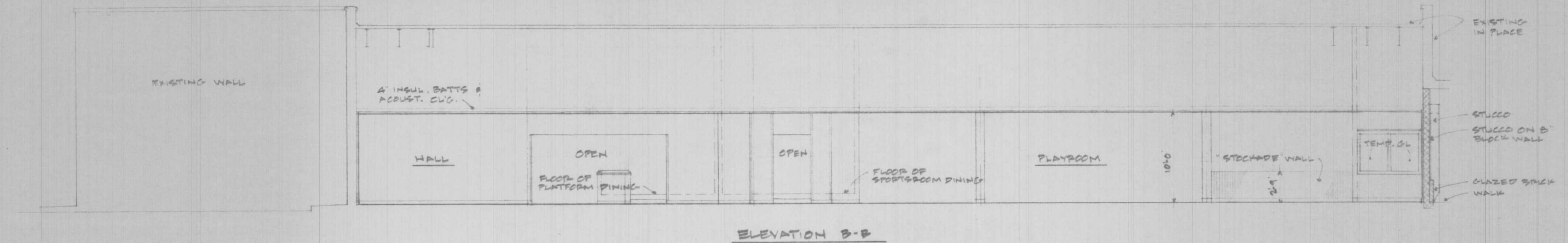
220 BAGLEY

DETROIT, MICHIGAN 48226

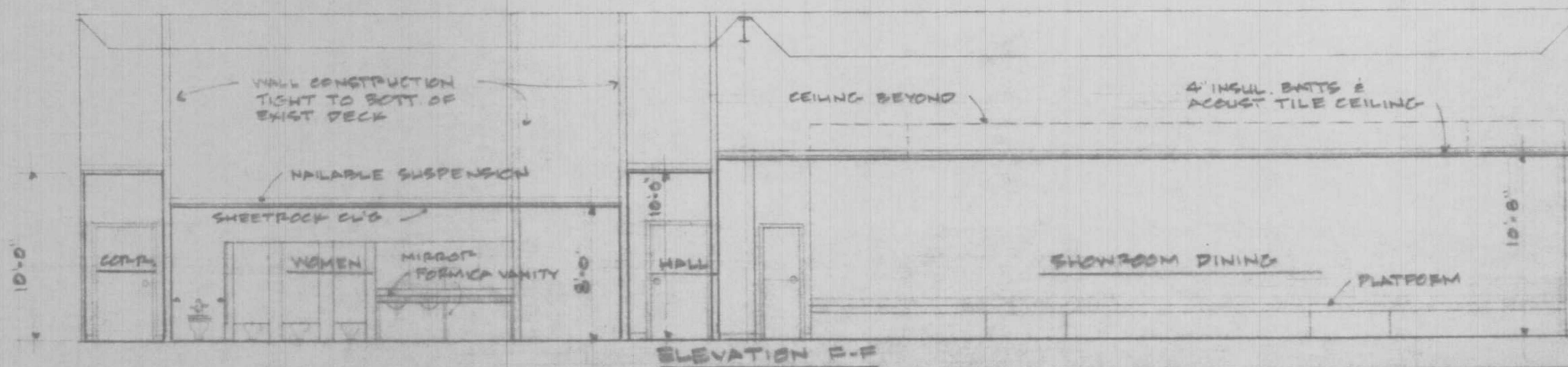
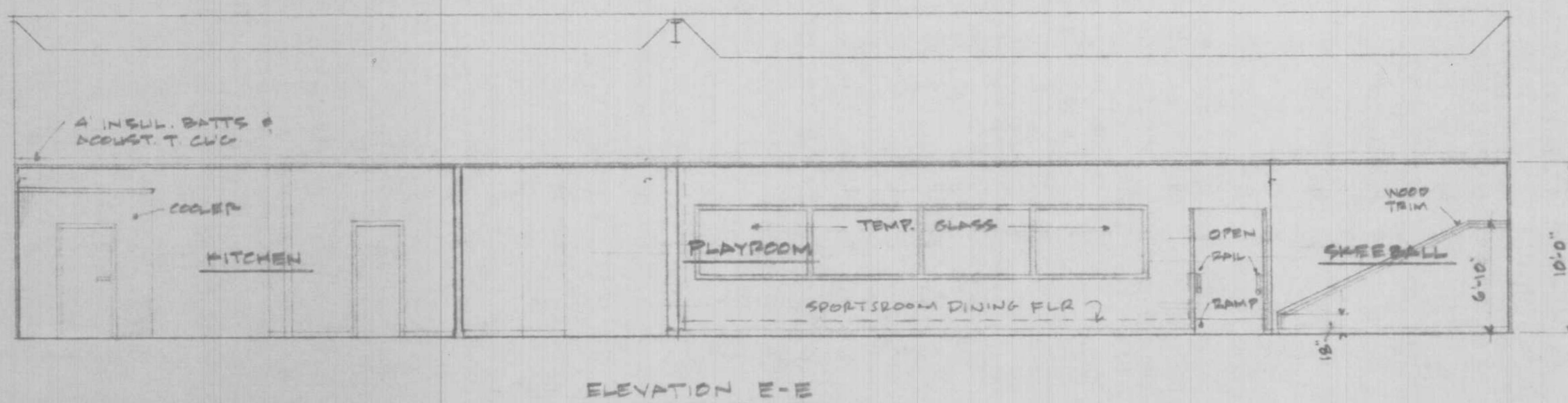
(313) 963-2735

DA  
SH





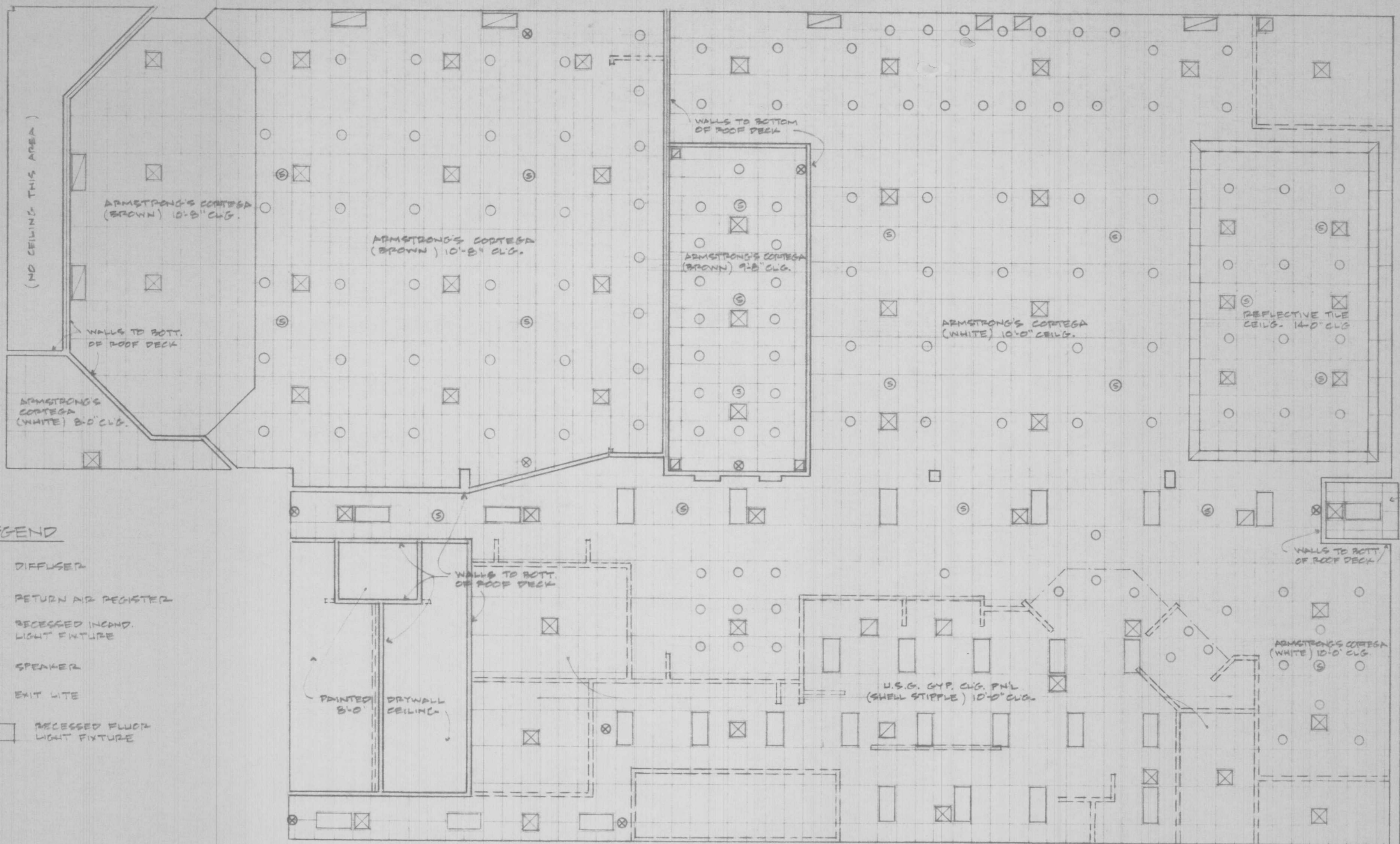
CEILING INSULATION NOTE  
STOP INSULATION AT ALL LIGHT FIXTURES 18\"/>





# LEGEND

- ☒ DIFFUSER
- ☐ RETURN AIR REGISTER
- RECESSED INCAN. LIGHT FIXTURE
- Ⓢ SPEAKER
- ⊗ EXIT LITE
- ▭ RECESSED FLUOR LIGHT FIXTURE



## REFLECTED CEILING PLAN

SCALE 1/8" = 1'-0"

- NOTE
- THIS PLAN SCHEMATIC ONLY
  - REFER TO HVAC PLAN (M-3) FOR ADDNL. INFO RE: DIFFUSERS, REGISTERS, ETC.
  - REFER TO ELECT. PLAN (E-1) FOR ADDNL. INFO RE: LIGHTING FIXTURES, ETC.
  - FIRE PROTECTION SYSTEM SPRINKLER HEADS TO BE LOCATED AS REQ'D. BY FIRE UNDERWRITERS, ETC.

PROJECT:

MAJOR MAGIC'S - MADISON CENTER

NUMBER:

8219

**KLAETKE + MARINO, ARCHITECTS**

508 MICHIGAN BUILDING 220 BAGLEY DETROIT, MICHIGAN 48226 (313) 963-2735

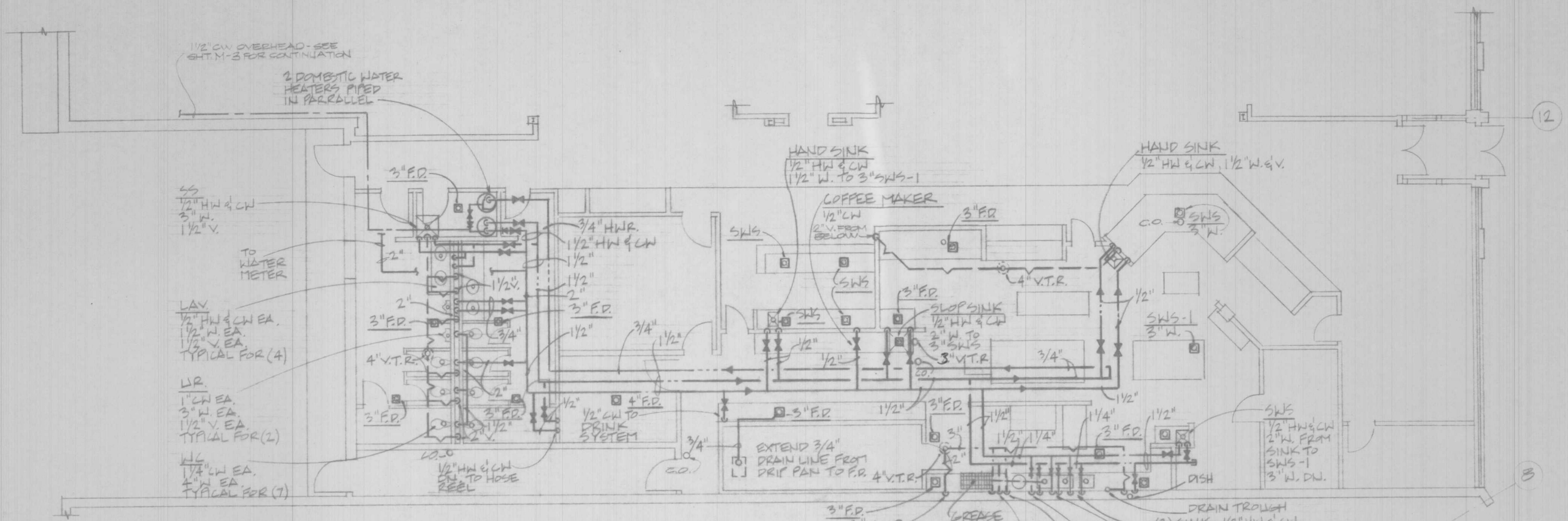
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11.29.82

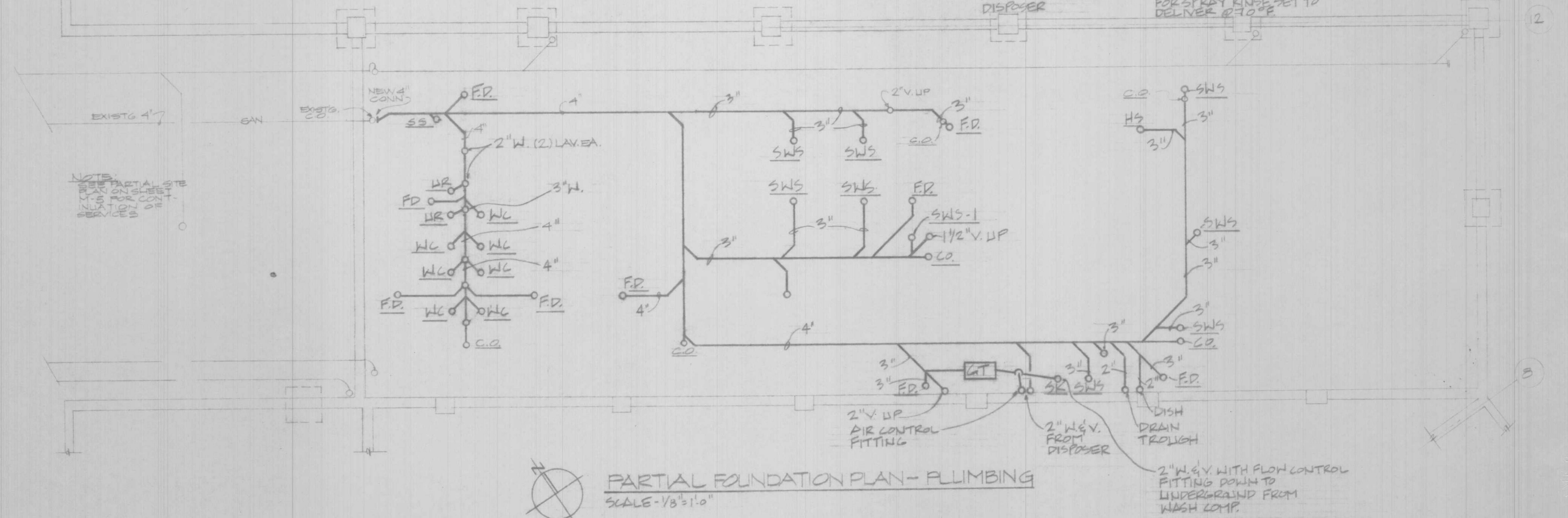
SHEET:

7





PARTIAL FLOOR PLAN - PLUMBING  
SCALE - 1/8" = 1'-0"



PARTIAL FOUNDATION PLAN - PLUMBING  
SCALE - 1/8" = 1'-0"

NOTE: SEE PARTIAL SITE PLAN ON SHEET M-1 FOR CONTINUATION OF SERVICES



## PLUMBING FIXTURE SCHEDULE

① AMERICAN STANDARD KOHLER, EL JER.  
OR AS APPROVED BY ARCHITECT.

TAG	ITEM	MAKE	MODEL NAME	MODEL NUMBER	PIPE CONN. SIZES				NOTES/ ACCESSORIES
					W	V	CW	HW	
L-1	COUNTER-TOP LAVATORY	AMERICAN-STANDARD	20" x 17" "AQUALYN"	0476.028	1 1/2"	1 1/2"	1/2"	1/2"	(A)(B)(D)(E)
*L-2	COUNTER-TOP LAVATORY	AMERICAN-STANDARD	20" x 17" "AQUALYN"	0476.028	1 1/2"	1 1/2"	1/2"	1/2"	(S)
S-1	HAND SINK	AMERICAN-STANDARD	19" x 17" "DELLYN"	0321.026	1 1/2"	1 1/2"	1/2"	1/2"	(A)(B)(F)
UR-1	WALL HUNG URINAL	AMERICAN-STANDARD	"TRIMBROOK"	6560.015	2"	1 1/2"	3/4"	-	(S)
*UR-2	WALL HUNG URINAL	AMERICAN-STANDARD	"TRIMBROOK"	6560.015	2"	1 1/2"	3/4"	-	
WC-1	FLOOR MTD. FLUSH VALVE WATER CLOSET	AMERICAN-STANDARD	"MADERA"	2222.016	4"	2"	1"	-	(H)(K)(L)
*WC-2	FLOOR MTD. FLUSH VALVE WATER CLOSET	AMERICAN-STANDARD	"MADERA"	2222.016	4"	2"	1"	-	(K)(L)(J)
GT-1	FULLY RECESSED GREASE INTERCEPTOR	SMITH	GREASE INTERCEPTOR	8025	3"	1 1/2"	-	-	(T)
SS-1	FLOOR MTD. SERVICE SINK	FIAT	24" x 24" "MOLDED STONE"	MSB.2424	3"	1 1/2"	1/2"	1/2"	(M)(N)
SWS-1	FLOOR SINK	SMITH	8 1/2" x 8 1/2" SANI-CEPTOR	3100	3"	1 1/2"	-	-	

\* FIXTURES TO BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF "THE BARRIER FREE DESIGN REQUIREMENTS OF THE MICHIGAN CONSTRUCTION CODE"

## DOMESTIC WATER HEATER SCHEDULE

② RUUD, JACKSON STATE  
OR AS APPROVED BY ARCHITECT.

TAG	SYSTEM SERVED	LOCATION	MAKE	MODEL NUMBER	CAPACITIES			GAS DATA		NOTES/ ACCESSORIES
					REG.	HOT STORAGE	TEMP. RISE	INPUT	TYPE	
WH-1	ENTIRE BLDG.	STORAGE RM.	RUUD	GL-85-156-S	131 GPH	85 GAL.	100°F.	156	NAT.	(P)
WH-2	ENTIRE BLDG.	STORAGE RM.	RUUD	GL-85-156-S	131 GPH	85 GAL.	100°F.	156	NAT.	(P)

## ACCESSORY DESIGNATION ①②③

(A) CHROME PLATED LAV. SUPPLY ASSEM. BLUES WITH LOOSE KEY STOPS	(B) CHROME PLATED TUBULAR "P" TRAP	(C) A.S. 2379.018 "AQUARIAN" FAUCET WITH POP UP DRAIN.
(D) A.S. 2379.071 "AQUARIAN" FAUCET	(E) A.S. 2412.013 GRID DRAIN	(F) A.S. 2103.73 "HAND-SINK" FAUCET WITH POP UP DRAIN.
(G) SLOAN "ROYAL" 186-11 FLUSH VALVE (URINAL)	(H) A.S. "CHURCH" 5320.130 WHITE OPEN FRONT SEAT.	(J) OLSONITE L-210N-CC 2" LIFT WHITE OPEN FRONT SEAT.
(K) SLOAN "ROYAL" 110 FLUSH VALVE (W.C.)	(L) A.S. 481310-100 BOLT CAPS.	(M) FIAT 830-AA SS FAUCET WITH V.B. HOSE END & STOPS.
(N) FIAT 1453-BB FLAT STRAINER	(P) A.S.M.E. TEMPERATURE AND PRESSURE RELIEF VALVE	(Q) ALL BRONZE CONSTRUCTION.
(R) STRAP-ON AQUASTAT CONTROL	(S) A.S. 2412.013 GRID DRAIN WITH "OFFSET" TAILPIECE FOR P.H.	(T) 25 GPM FLOW RATE 50# GREASE CAP. FURNISH WITH FLOW CONT.
( )	( )	( )

## PUMP SCHEDULE

③ ARISTRAID B & G, JACO  
OR AS APPROVED BY ARCHITECT

TAG	LOCATION	SERVICE	MAKE & MODEL	TYPE	SIZE	CAPACITIES		MOTOR				NOTES/ ACCESSORIES
						GPM	HEAD	H.P.	VOLT	Φ	RPM	
P-1	STORAGE RM.	DOM. H.W. RELIRC.	ARISTRAID S-25	IN-LINE	3/4"	5	5	1/12	115	1	1750	(Q)(R)

## GENERAL NOTES - PLUMBING, PIPING WORK

- All piping shall be concealed unless otherwise noted. Exposing of any piping must have approval of Architect.
- Provide branch line shut-off valves on Domestic Water Piping to each plumbing fixture.
- The plumbing and piping systems shall be installed in strict accordance with State and local plumbing codes. Plumbing and Piping Contractor shall obtain all permits, pay all fees, and arrange for all inspections for his work. At completion of plumbing and piping work, the Plumbing and Piping Contractor shall furnish the Owner with certificates of final inspections and approvals.

## 4. Piping shall be as follows:

## Sanitary and Vent Piping:

- All 2" and larger waste and vent piping above ground shall be service weight cast iron soil pipe with No-Hub fittings or schedule 40 PVC with PVC fittings where local code permits.
- All 1 1/2" and smaller waste and vent piping above ground shall be galvanized steel with threaded black cast iron drainage fittings or schedule 40 PVC with PVC fittings where local code permits.
- All waste piping below grade shall be service weight cast iron soil pipe with compression type fittings.

## Domestic Water Piping:

All 2 1/2" and smaller above ground water piping shall be type "M" hard drawn copper tubing with solder pot and wrought copper or cast red bronze pressure fittings.

## Gas Piping:

Gas piping shall be black steel - standard weight above and below ground. Provide shut-off cocks on all outlets where shown. Wrap all below ground gas piping with "3-M Scotchwrap" or "Tapecoat" pipe wrap.

## 5. Piping insulation shall be as follows:

- Domestic hot and cold water piping shall be insulated with minimum 1" fiberglass insulation having an average thermal conductivity not exceeding .22 BTU in. per square foot per F. per hour at mean temperature of 75 F. Cold water piping insulation shall have a vapor barrier.

- Piping shall be supported from hangers at an adequate distance with adequate supporting hanger rods fastened to building framing whenever possible.

- Water heater shall be equipped with temperature and pressure relief valve.

- All services shall be properly sleeved when run through floors and walls.

- Furnish and install isolation valves at all service points or equipment connections. Provide vacuum breakers and anti-syphon fittings on water systems before equipment connections, and at all hose end spigots, and hose connections, etc. Installation shall be in strict accordance with local codes and/or authorities for the protection of the water supply systems.

- Tag and label all valves indicating function and equipment served.

- Plumbing and Piping Contractor shall verify exact location and provide rough-ins for all equipment furnished by other Contractors. After all equipment has been installed by other Contractors, the Plumbing and Piping Contractor shall make all final connections and shall include in his base bid all valves, unions, coupling, vacuum breakers, etc. that are required to make final connections.

- The Plumbing and Piping Contractor shall visit the job site before he submits his bid to familiarize himself with the actual job conditions and to check for any interferences between his work and that of other trades, and/or any apparent violations of local or State codes, laws, ordinances, and regulations. If any interferences or violations appear and departure from the design intent of the Contract Documents is required, the Plumbing and Piping Contractor shall notify the Architect before entering into contract with the Owner. Failure to provide the Architect with the aforementioned notification will result in the Plumbing and Piping Contractor being held responsible to complete all work to meet the intent of the Contract Drawings with no additional expense ("extras") being incurred by the Owner.

- Furnish and install for "Physically Handicapped" lav(s) a Bradley Model #222 mixing valve with check-stop-strainer and tempered water piping connections. Set valve for a maximum of 120°F. hot water discharge temperature.

PROJECT:

MAJOR MAGIC'S - MADISON CENTER

NUMBER:

3219

KLAETKE + MARINO, ARCHITECTS

DATE: 9-29-82

508 MICHIGAN BUILDING

220 BAGLEY

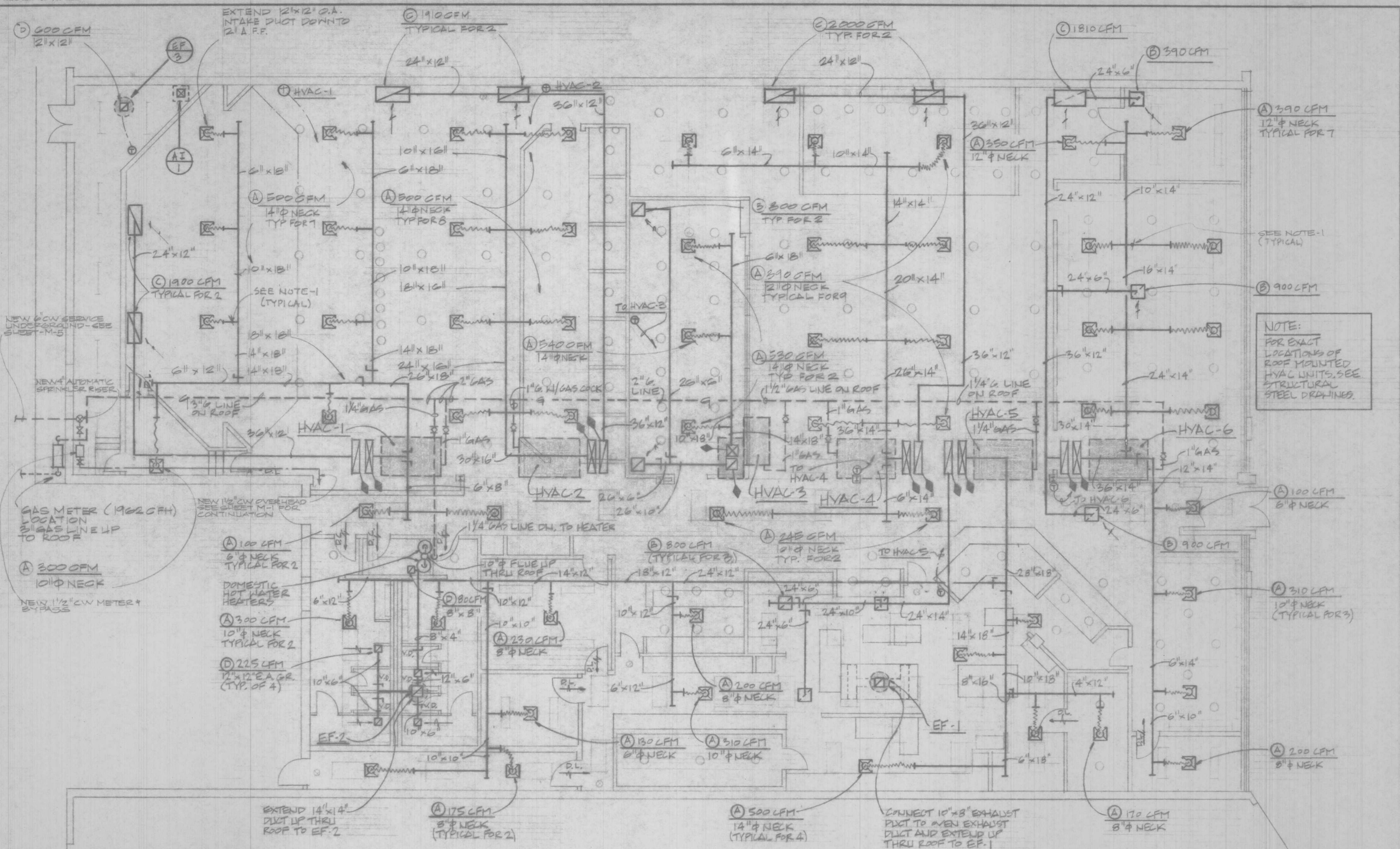
DETROIT, MICHIGAN 48226

(313) 963-2735

SHEET:

M-2





# FLOOR PLAN - HVAC

SCALE: 1/8"=1'-0"

## NOTE:

PROVIDE 4" x 4" x 12" "CREOSOTE" COATED REDWOOD BLOCKS SPACED 10'-0" ON CENTER FOR SUPPORT OF ALL GAS PIPING RUN ON ROOF. FASTEN GAS PIPING SECURELY TO EACH BLOCK.

## GENERAL NOTES:

1. ALL SPIN IN FITTINGS SHALL HAVE BALANCING DAMPERS.
2. ALL FLEXIBLE DUCT TO DIFFUSERS SHALL BE SAME AS DIFFUSERS NECK.
3. FLEXIBLE DUCT SHALL NOT BE GREATER THAN 4'-0" LONG.
4. D.L.=DOOR LOUVER FURNISHED AND INSTALLED BY ARCHITECTURAL TRADES.
5. D.C.=DOOR UNDERCUTS BY ARCHITECTURAL TRADES.

PROJECT:

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DATE: 9.29.82

SHEET: M-3



## HVAC UNIT SCHEDULE

① BRYANT, TRANE, LENNOX, JOHN ZINK,  
OR AS APPROVED BY ARCHITECT

TAG	AREA SERVED	TYPE	MAKE AND MODEL	ELECT.		HEATING		COOLING DATA				FAN SECTION		NOTES/ ACCESSORIES
				VOLT. & KW	INBT	OUTBT	TOTAL	SEN. LOAD	ENT. AIR DB	ENT. AIR WB	CFM	E.S.P.		
HVAC 1	SHOWROOM DINING	ROOFTOP	TRANE SFCB-C103	208 30	20.5	300	225	131	98	80°F	67°F	4000	.80"	(C)(F)(G)(H)(I)(J)
HVAC 2	SHOWROOM DINING	ROOFTOP	TRANE SFCB-C103	208 30	20.5	300	225	131	98	80°F	67°F	4000	.80"	(C)(F)(G)(H)(I)(J)
HVAC 3	SPORTSROOM	ROOFTOP	TRANE SFCB-C103	208 30	24.6	150	113	49	38	80°F	67°F	1600	.80"	(C)(F)(G)(H)(I)(J)
HVAC 4	PLAYROOM	ROOFTOP	TRANE SFCB-C103	208 30	20.5	300	225	131	98	80°F	67°F	4000	.80"	(C)(F)(G)(H)(I)(J)
HVAC 5	KITCHEN	ROOFTOP	TRANE SFCB-C103	208 30	20.5	300	225	131	98	80°F	67°F	4000	.80"	(C)(F)(G)(H)(I)(J)
HVAC 6	PLAYLAND & GIFTSHOP	ROOFTOP	TRANE SFCB-C103	208 30	20.5	300	225	131	98	80°F	67°F	4000	.80"	(C)(F)(G)(H)(I)(J)

## EXHAUST FAN SCHEDULE

② CARNES, GREENHECK, ALME,  
OR AS APPROVED BY ARCHITECT

TAG	AREA SERVED	LOCATION	MAKE	MODEL NO.	DRIVE TYPE	CFM	ESP.	TIP SPEED FPM	MOTOR		NOTES/ACCESSORIES
									H.P.	VOL. & Φ	
EF1	OVEN HOOD	ROOF	GREENHECK	CUBE-10-4	BELT	1000	1/2"	4311	1/4	115	1 (A)(B)(C)(D)(E)
EF2	TOILET ROOMS	ROOF	GREENHECK	GB-10-4	BELT	980	3/4"	4602	1/4	115	1 (C)(D)(B)(E)
EF3	COMPRESSOR ROOMS	ROOF	GREENHECK	A1-12-D	BELT	600	3/8"	4870	1/5	115	1 (C)(D)(B)(E)

## AIR INTAKE SCHEDULE

③ CARNES, GREENHECK, ALME,  
OR AS APPROVED BY ARCHITECT

TAG	UNIT SERVED	MAKE	MODEL	CFM	INTAKE VEL. FPM (THROAT)	STATIC PRESS.	THROAT SIZE		HOOD SIZE			NOTES/ACCESSORIES
							L	W	L	W	H	
AI-1	EF-3	GREENHECK	PABE1 HOOD	600	600	.05	12"	12"	26"	24"	19"	(C)(D)(K)

## NOTES / ACCESSORIES DESIGNATION ①②③

(A) PRE-FABRICATED ROOF CURB TOP OF DISCHARGE 40" MIN ABOVE ROOF	(B) SAFETY DISCONNECT SWITCH - WEATHERPROOF	(C) PRE-FABRICATED ROOF CURB - 12" HIGH MIN
(D) BIRD SCREEN	(E) GRAVITY BACKDRAFT DAMPER	(F) "ECONOMIZER" CONTROLS
(G) 2" THICK THROWAWAY FILTERS	(H) ANTI-SHORT CYCLE CONTROLS ON COMPRESSOR	(I) TIME DELAY RELAY BETWEEN COMP. STARTS
(J) "HEATING-COOLING" STAT W/FAN - "ON-AUTO" SUBBASE	(K) MOTORIZED DAMPER	

GRILLE, REGISTER, & DIFFUSER SCHEDULE ④ CARNES, METALAIR, TITUS,  
OR AS APPROVED BY ARCHITECT

TAG	SERVICE	MAKE	MODEL	MTG.	NOTES/ACCESSORIES	OVERALL SIZE	NECK SIZE
A	SUPPLY AIR CEILING DIFF.	METALAIR	PCS-AB-5	LAY-IN	(A)(B)(C)(D)(E)	24"x24"	AS NOTED ON PLANS
B	RETURN AIR CEILING GRILLE	METALAIR	PCR-5	LAY-IN	(A)(B)(E)	24"x24"	AS NOTED ON PLANS
C	RETURN AIR CEILING GRILLE	METALAIR	PCR-5	LAY-IN	(A)(B)(E)	48"x24"	AS NOTED ON PLANS
D	EXHAUST AIR CEILING GRILLE	METALAIR	RP	SURFACE	(A)(B)(E)	NECK SIZE + 1/4"	AS NOTED ON PLANS

## ACCESSORY DESIGNATION ④

(A) PERFORATED FACE	(B) COLOR AND FINISH AS SELECTED BY ARCHITECT	(C) EQUALIZING GRID
(D) SQUARE TO ROUND NECK ADAPTER	(E) COORDINATE MOUNTING REQ. WITH ARCH. REFLECTED CLG. PLAN	

## BUILDING AIR BALANCE SCHEDULE

TAG	SUPPLY AIR	RETURN AIR	EXHAUST AIR	OUTSIDE AIR	BLDG. PRESSURE	NOTES
HVAC-1	4000	3800	—	600		SHOWROOM DINING
HVAC-2	4000	3820	—	600		SHOWROOM DINING
HVAC-3	1600	1600	—	240		SPORTSROOM DINING
HVAC-4	4000	4000	—	600		PLAYROOM
HVAC-5	4000	2400	—	600		KITCHEN
HVAC-6	4000	4000	—	600		PLAYLAND & GIFT SHOP
EF-1	—	—	1000	—		OVEN HOOD
EF-2	—	—	980	—		TOILET ROOMS
RELIEF AIR THRU HVAC UNITS	—	—	1260	—		
EF-3	—	—	600	—		COMPRESSOR RM.
AI-1	—	—	—	600		COMPRESSOR RM.
TOTALS	21600	19620	2580	3840	0	

PROJECT:

MAJOR MAGIC'S - MADISON CENTER

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508 MICHIGAN BUILDING

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DETROIT, MICHIGAN 48226

(313) 963-2735

SHEET:

M-4

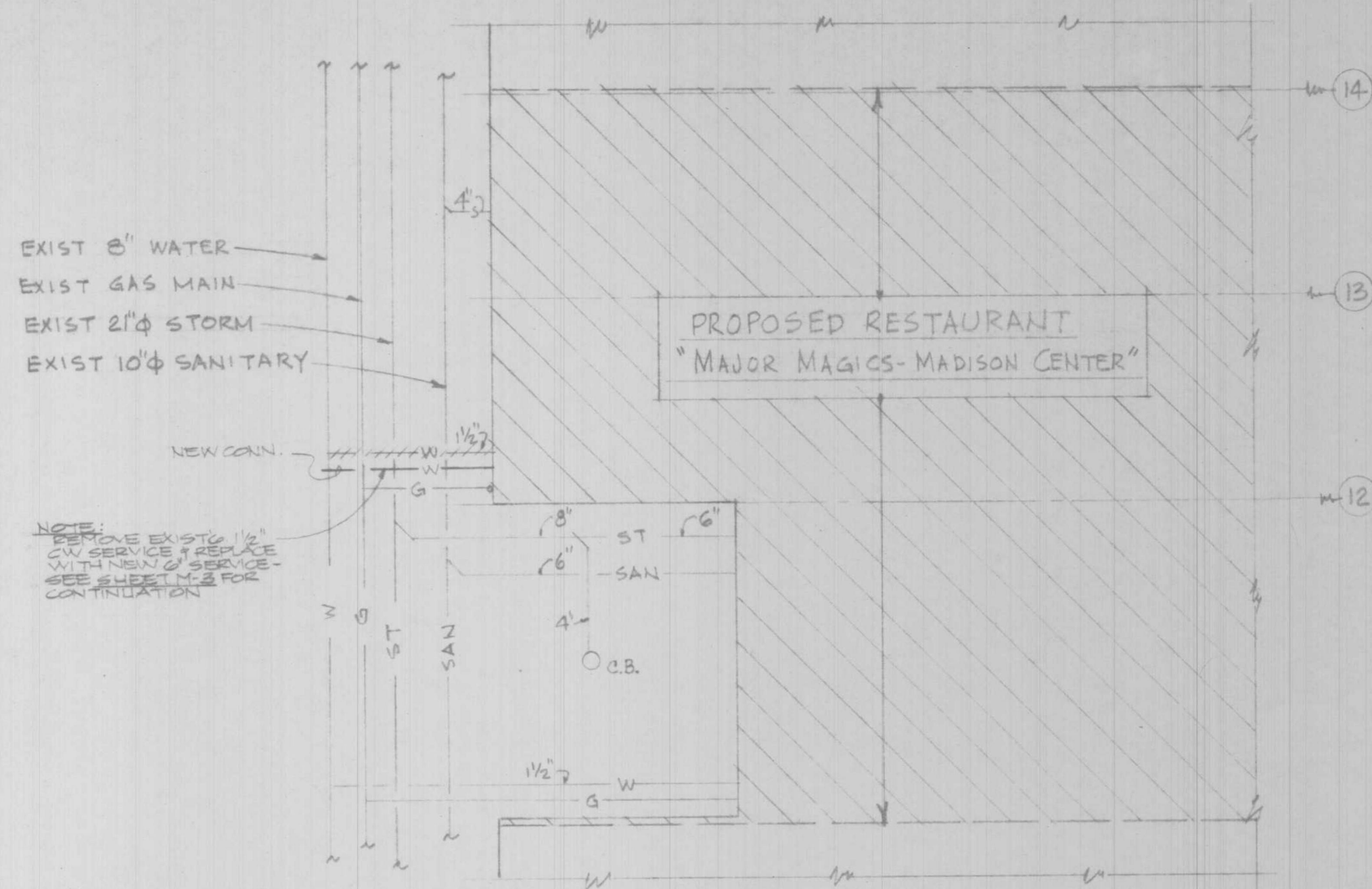


GENERAL NOTES - H.V.A.C. AND SHEET METAL WORK

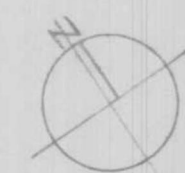
1. SHEET METAL DUCTWORK CONSTRUCTION SHALL BE IN ACCORDANCE WITH "SMANCA" LVDSC STANDARDS, FOURTH EDITION, DATED 1969, NFPA PAMPHLETS 90A, AND 96, AND THE LATEST EDITION OF THE BOCA MECHANICAL CODE AND THE ASHRAE GUIDE AND DATA BOOKS.
2. ALL AIR HANDLING SYSTEMS SHALL CONFORM TO ALL STATE AND LOCAL BUILDING, HEALTH AND SANITATION CODES. THE HVAC CONTRACTOR SHALL PRESENT CERTIFICATES TO THE OWNER THAT ALL APPLICABLE BUILDING PERMITS HAVE BEEN SECURED BEFORE STARTING ANY WORK, AND PROVIDE TO THE OWNER ALL REQUIRED CERTIFICATES OF FINAL APPROVAL FROM GOVERNING JURISDICTION AT THE COMPLETION OF THE WORK.
3. ALL DUCTS SHALL BE CONCEALED. EXPOSING OF ANY DUCTS MUST HAVE APPROVAL OF THE ARCHITECT.
4. FURNISH AND INSTALL FLEXIBLE DUCT CONNECTORS ON ALL DUCT CONNECTIONS TO AIR HANDLING UNITS.
5. PROVIDE BALANCING DAMPERS AT EACH BRANCH DUCT TAKE-OFF FROM MAIN DUCTS AND OTHER LOCATIONS AS REQUIRED TO PROPERLY BALANCE SYSTEM.
6. FURNISH AND INSTALL FIRE DAMPERS WHERE INDICATED ON DRAWINGS AND WHERE DUCTWORK PIERCES FIRE RATED CONSTRUCTION, AND/OR WHERE REQUIRED BY LOCAL OR STATE CODES. ALL FIRE DAMPERS SHALL BE TESTED, RATED AND BEAR THE LABEL OF UNDERWRITERS LABORATORIES AND SHALL BE INSTALLED IN THE SAME MANNER BY WHICH THEY WERE TESTED. FIRE DAMPERS SHALL BE SIMILAR TO AIR BALANCE MODEL NO. 119-AL OVERSIZE WITH 95% FREE AREA.
7. DUCTWORK INSULATION SHALL BE AS FOLLOWS:
  - a) ALL DUCTWORK INSIDE BUILDING SHALL BE INSULATED WITH VINYL-CLAD DUCT WRAP OF 1" MINIMUM THICKNESS AND 1# DENSITY. JOINTS SHALL BE STAPLED AND TAPED. AS AN ALTERNATE TO DUCT WRAP, THE HVAC CONTRACTOR MAY LINE DUCTS WITH 1" THICK, 1-1/2# DENSITY FIBERGLASS DUCT LINER.
8. VIBRATION ABSORBING SUPPORTS SHALL BE INSTALLED AS REQUIRED ON ALL EQUIPMENT TO PREVENT TRANSMISSION OF VIBRATION AND NOISE TO STRUCTURE.
9. HEATING, VENTILATING, AND AIR CONDITIONING SYSTEMS ARE DESIGNED ON THE FOLLOWING CONDITIONS:
 

WINTER: INSIDE TEMP. 72 F. D.B., OUTSIDE TEMP. 8 F. D.B., 15 MPH WIND.

SUMMER: INSIDE TEMP. 78 F. D.B., & 50 RELATIVE HUMIDITY (MAX.) OUTSIDE TEMP. 88 F. D.B., & 75 F. W.B.
10. THE HVAC CONTRACTOR SHALL VISIT THE JOB SITE BEFORE HE SUBMITS HIS BID TO FAMILIARIZE HIMSELF WITH THE ACTUAL JOB CONDITIONS AND TO CHECK FOR ANY INTERFERENCES BETWEEN HIS WORK AND THAT OF OTHER TRADES, AND/OR ANY APPARENT VIOLATIONS OF LOCAL OR STATE CODES, LAWS, ORDINANCES, AND REGULATIONS. IF ANY INTERFERENCES OR VIOLATIONS APPEAR AND DEPARTURE FROM THE DESIGN INTENT OF THE CONTRACT DOCUMENTS IS REQUIRED, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT BEFORE ENTERING INTO CONTRACT WITH THE OWNER. FAILURE TO PROVIDE THE ARCHITECT WITH THE AFOREMENTIONED NOTIFICATION WILL RESULT IN THE CONTRACTOR BEING HELD RESPONSIBLE TO COMPLETE ALL WORK TO MEET THE INTENT OF THE CONTRACT DOCUMENTS WITH NO ADDITIONAL EXPENSE ("EXTRAS") BEING INCURRED BY THE OWNER.

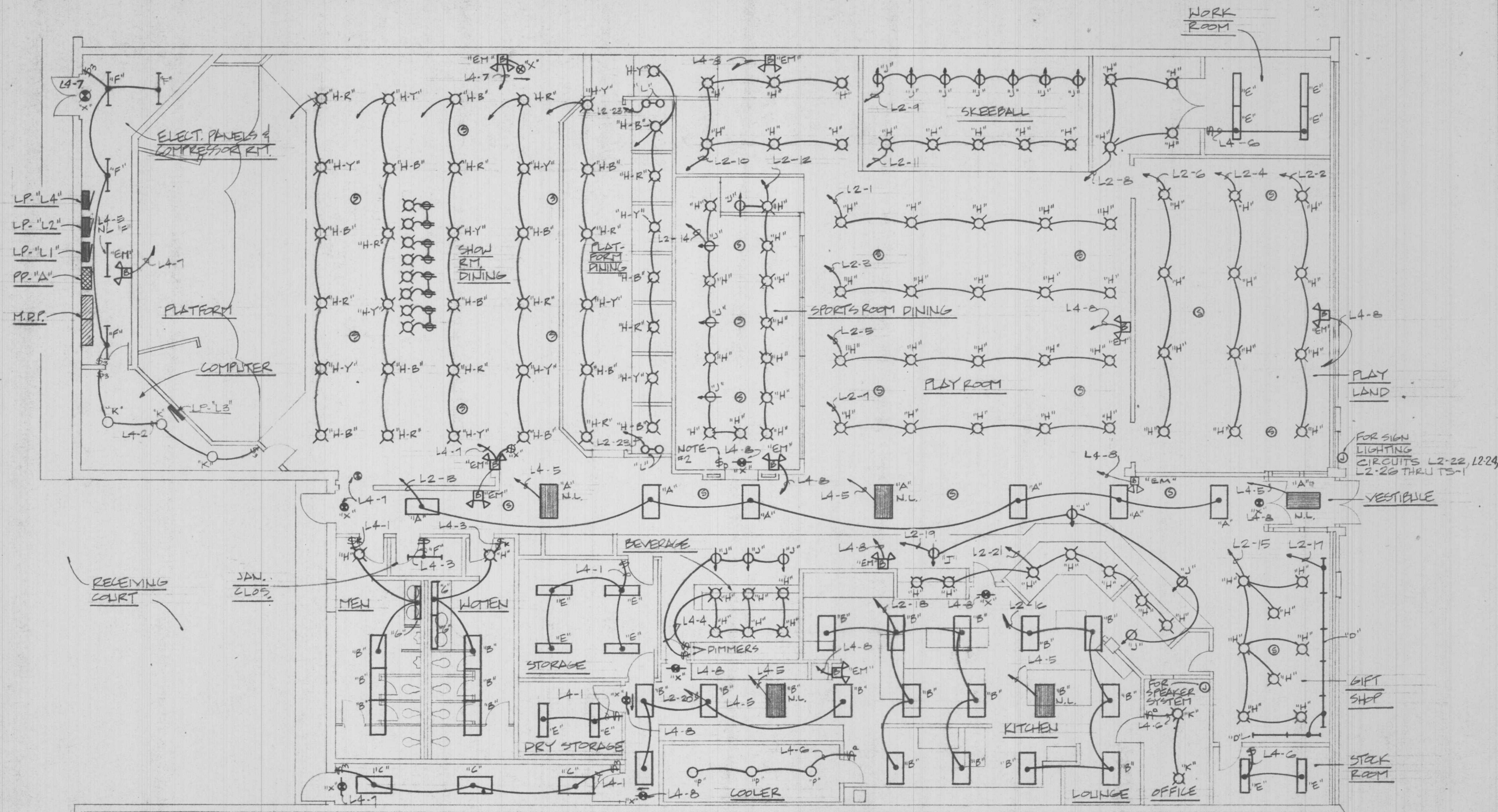


NOTE:  
REMOVE EXIST' 1/2\"/>



PARTIAL SITE PLAN  
SCALE 1/16"=1'-0"

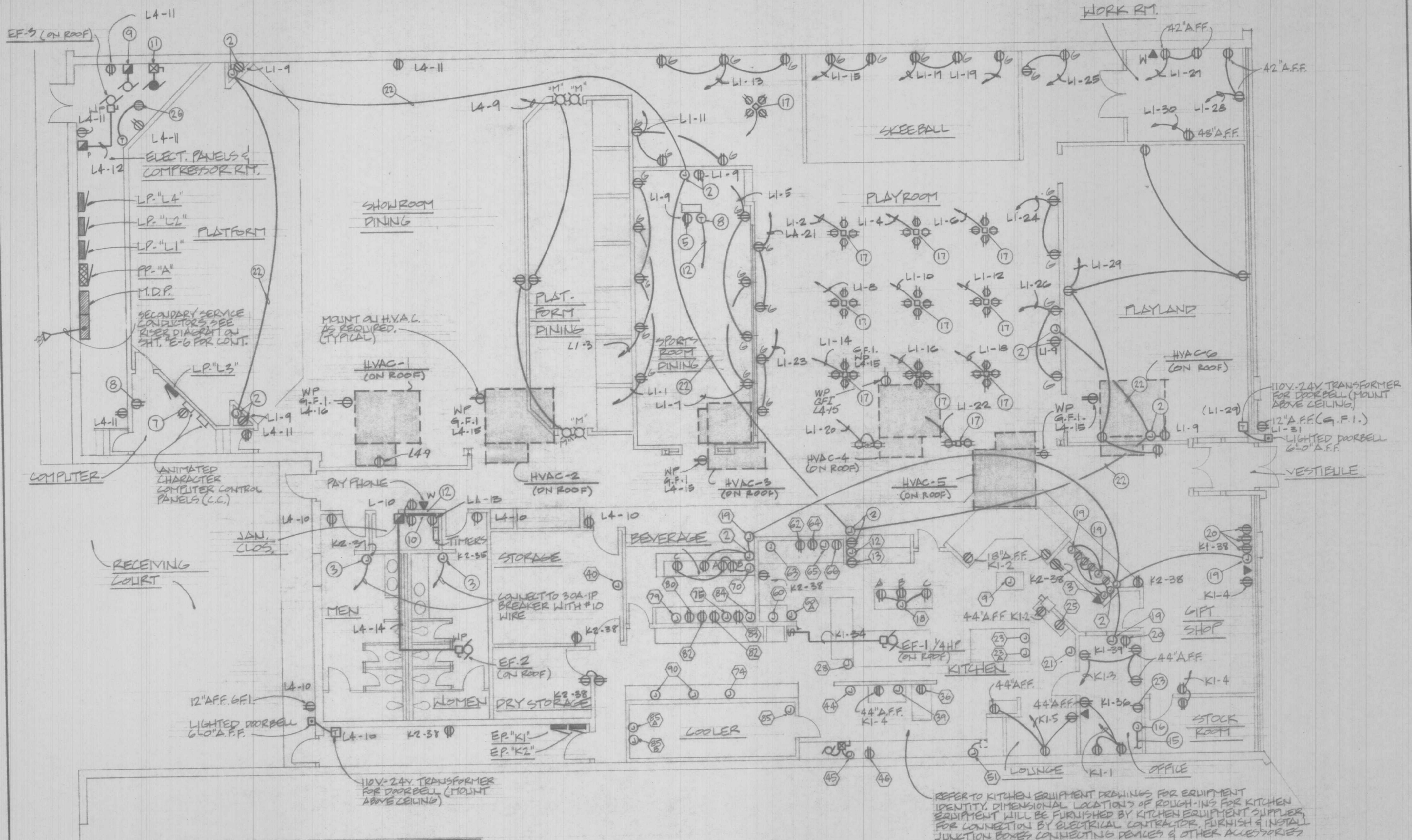




**FLOOR PLAN - LIGHTING**  
SCALE: 1/8" = 1'-0"

- NOTES:**
1. CONNECT ALL SPEAKERS WITH 1/2" EMT WITH PULL WIRE TO AUDIO J.B. @ MANAGERS OFFICE, CABLE AND SPEAKERS BY OWNER.
  2. INSTALL FOUR (4) DIMMERS IN SEPARATE BOXES FOR INDEPENDENT CONTROL OF FIXTURES, TYPE "H" & "K".
  3. ALL DIMMERS TO BE LUTRON ROTARY "ON-OFF" SIZE AS REQUIRED OR NOTED ON PLANS.
  4. INSTALL EXIT LIGHTS AT 7'-6" TO BOTTOM OF FIXTURE ABOVE FINISHED FLOOR.





**NOTE**  
THE EQUIPMENT ROUGH-INS AS SHOWN ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE; HOWEVER, IN SOME INSTANCES, THE OWNER OR SUPPLIER MAY SUBSTITUTE OR THE EQUIPMENT ITEM MAY VARY FROM WHAT IS SHOWN. THEREFORE, THE CONTRACTOR, PRIOR TO ROUGH-IN, SHALL VERIFY ALL CRITICAL DIMENSIONS WITH OWNER. FAILURE OF THE CONTRACTOR TO VERIFY THESE DIMENSIONS SHALL PLACE THE RESPONSIBILITY FOR ANY SUBSEQUENT RELOCATION UPON THE CONTRACTOR.



**FLOOR PLAN - POWER**  
SCALE: 1/8" = 1'-0"

REFER TO KITCHEN EQUIPMENT DRAWINGS FOR EQUIPMENT IDENTITY. DIMENSIONAL LOCATIONS OF ROUGH-INS FOR KITCHEN EQUIPMENT WILL BE FURNISHED BY KITCHEN EQUIPMENT SUPPLIER, FOR CONNECTION BY ELECTRICAL CONTRACTOR. FURNISH & INSTALL JUNCTION BOXES CONNECTING DEVICES & OTHER ACCESSORIES AS REQUIRED.

**NOTE:**  
REFER TO POWER NOTES 1 ON SHEET "E-4"



## KITCHEN EQUIPMENT SCHEDULE

ITEM	EQUIPMENT	LOAD	VOLTAGE & PHASE	U-BX	DISC	RECE	BRANCH CIRCUIT BKFR OR SW	CIRC. NO.	BRANCH WIRING
2	CASH REGISTERS (2) REQ.	1000W EA.	120V-1 $\phi$	X		X	(3) 20A-1P	K1-0 K1-8 K1-10	SEE NOTE #1
3	TOKEN DISPENSERS (2) REQ.	1000W EA.	120V-1 $\phi$	X		X	(2) 20A-1P	K1-7 K1-9	SEE NOTE #2
9	REACH-IN REFRIGERATOR	1/3 HP	120V-1 $\phi$	X			20A-1P	K1-11	2 $\phi$ 12-1/2" C. SEE NOTE #3
12	HEAT STRIP LAMP (2 REQ'D)	1725W EA.	208V-1 $\phi$	X			(2) 20A-2P	K1-12 K1-14	2 $\phi$ 12-1/2" C. EA. SEE NOTE #4
13	TV MONITOR BUTTON BOARD	1200W	120V-1 $\phi$			X	20A-1P	K1-16	2 $\phi$ 12-1/2" C. 18" AFF
18	WORK TABLE	A-1/4 HP B-GEN. C-1000W	120V-1 $\phi$ 120V-1 $\phi$ 120V-1 $\phi$	X		X	(3) 20A-1P	A-K1-13 UB-K1-15 K1-17	2 $\phi$ 12-1/2" C. EA. SEE NOTE #5
21	THREE DOOR ROLL-IN REFRIG	5.0 KW	120/208V 1 $\phi$	X			30A-2P	K1-18, 20	3 $\phi$ 10-3/4" C. 90" AFF
23	REFRIGERATED BASE COMPRESSOR	1/2 HP	120V-1 $\phi$	X			20A-1P	K1-19	2 $\phi$ 12-1/2" C. STUB UP 4" AFF
25	REFRIGERATED PIZZA PREP. TABLE	A-(2) 500W B-(2) 1/8 HP	120V-1 $\phi$ 120V-1 $\phi$	X		X	(2) 20A-1P	A-K1-21 B-K1-23	2 $\phi$ 12-1/2" C. PER CIRC. SEE NOTE #6
25	DOUGH ROLLER	1/2 HP	120V-1 $\phi$			X	20A-1P	K1-22	2 $\phi$ 12-1/2" C. 44" AFF
28	ROTARY OVEN	21 AMP	208V-1 $\phi$	X			30A-2P	K1-24, 26	2 $\phi$ 10-1/2" C. STUB UP 4" AFF
29	SLICER	1/3 HP	120V-1 $\phi$			X	20A-1P	K1-28	2 $\phi$ 12-1/2" C. 44" AFF
39	ROUNDER	1 HP	208V-1 $\phi$	X			20A-2P	K1-25, 27	2 $\phi$ 12-1/2" C. 44" AFF
40	REACH-IN FREEZER	1/2 HP	120/208V 1 $\phi$	X			25A-2P	K1-29, 31	90" AFF
44	GLUTTER MIXER	5 HP	208V-3 $\phi$	X			30A-3P	K2-1, 3, 5	3 $\phi$ 10-3/4" C. 18" AFF
45	DISPOSER	1 HP	208V-3 $\phi$	X			20A-3P	K2-2, 4, 6	3 $\phi$ 12-3/4" C. 24" AFF
46	SPRAY RINSE ASSEMBLY	500	120V-1 $\phi$			X	20A-1P	K2-14	2 $\phi$ 12-1/2" C. VERIFY MFG. HT.
51	DISHWASHER	1 HP WASH 1 HP RINSE	208V-3 $\phi$	X			20A-3P	K2-13, 15, 17	3 $\phi$ 12-1/2" C. 18" AFF
60	ICE MAKER WITH REMOTE COMPRESSOR	1 1/2 HP	208V-3 $\phi$	X			20A-3P	K2-7, 9, 11	3 $\phi$ 12-1/2" C. 90" AFF
62	ICE MAKER WITH REMOTE COMPRESSOR	1 1/2 HP	208V-3 $\phi$	X			20A-3P	K2-8, 10, 12	3 $\phi$ 12-1/2" C. 90" AFF
62	SLICER	1/3 HP	120V-1 $\phi$			X	20A-1P	K2-16	2 $\phi$ 12-1/2" C. 44" AFF
63	ROAST BEEF OVEN	2.2 KW	208V-1 $\phi$	X			20A-2P	K2-19, 21	2 $\phi$ 12-1/2" C. 24" AFF
64	SANDWICH STEAMER	1.3 KW	120V-1 $\phi$			X	20A-1P	K2-18	2 $\phi$ 12-1/2" C. 44" AFF
65	ALI JUS POT	500W	120V-1 $\phi$			X	20A-1P	K2-20	3 $\phi$ 12-1/2" C. VIA CONTROL BOX 24" AFF
66	BUN TOASTER	1750W	120V-1 $\phi$			X	20A-1P	K2-22	2 $\phi$ 12-1/2" C. 44" AFF
70	BEVERAGE CTR. PICK-UP	A-1/3 HP B-500 C-500	120V-1 $\phi$ 120V-1 $\phi$ 120V-1 $\phi$	X		X	(3) 20A-1P	A-K2-23 B-K2-25 C-K2-27	2 $\phi$ 12-1/2" C. EA. SEE NOTE #7
74	BEER DISP. SYSTEM	1 HP 1/4 HP	120V-1 $\phi$	X			30A-1P	K2-24	2 $\phi$ 12-1/2" C. SEE NOTE #8
75	UNDER CTR. REFRIGERATOR	1/4 HP BLOWER 1.5 AMP JTL	120V-1 $\phi$	X			20A-1P	K2-26	2 $\phi$ 12-1/2" C. 18" AFF
79	ICE CREAM MAKER	1 HP COMP 1/2 HP BEATER	120V-1 $\phi$	X			30A-1P	K2-23	2 $\phi$ 10-1/2" C. 44" AFF
80	HOT FUDGE DISPENSER	1.0 KW	120V-1 $\phi$			X	20A-1P	K2-29	2 $\phi$ 12-1/2" C. 44" AFF
82	WINE DISPENSER (2) REQ'D	1 1/2 HP EA.	120V-1 $\phi$			X	(2) 20A-1P	K2-31 K2-33	2 $\phi$ 12-1/2" C. EA. 44" AFF
83	ICE TEA DISPENSER	1775	120V-1 $\phi$			X	20A-1P	K2-30	2 $\phi$ 12-1/2" C. 44" AFF
84	COFFEE MAKER	1600	120V-1 $\phi$	X			20A-1P	K2-32	2 $\phi$ 12-1/2" C. 44" AFF
85	WALK-IN COOLER LIGHT & 200W HEATER	5 AMP	120V-1 $\phi$	X			20A-1P	K1-30	2 $\phi$ 12-1/2" C. VERIFY EXACT LOCATION
85	WALK-IN COOLER BLOWER COIL	4.2 AMP	120V-1 $\phi$	X			20A-1P	K1-32	2 $\phi$ 12-1/2" C. VERIFY EXACT LOCATION
88	WALK-IN COOLER COMPRESSOR	1 1/2 HP	208V-3 $\phi$	X			20A-1P	K1-33, 35, 37	3 $\phi$ 12-1/2" C. VERIFY EXACT LOCATION
90	DRINK DISPENSER POWER PACKS (2) REQ'D	1 HP COMP 1/4 HP GARD 1/4 HP CIRC.	120V-1 $\phi$	X			30A-1P	K2-34 K2-36	2 $\phi$ 10-1/2" C. 5'-0" A.F.F.

## GENERAL NOTES (KITCHEN ROUGH-IN)

- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL TWO (2) ISOLATED GROUNDING RECEPTACLES ON COUNTER AS REQUIRED. RUN 2# 12 + 1 #12 grd - 1/2" C TO EACH RECEPTACLE (BOTH GROUND AND NEUTRAL TO BE ISOLATED).
- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL TWO (2) RECEPTACLES ON COUNTER AS REQUIRED. RUN 2 #12 - 1/2" C TO EACH RECEPTACLE.
- STUB DOWN FROM CEILING 90" A.F.F. FOR REFRIGERATOR.
- TWO (2) JUNCTION BOXES REQUIRED. MOUNT ONE (1) AT 3'-10" A.F.F. AND ONE (1) AT 4'-10" A.F.F.
- STUB UP 4" A.F.F. AND BRANCH TO THREE (3) INDIVIDUAL CIRCUITS.  
A - REFRIGERATED SANDWICH UNIT.  
B - RECEPTACLE MOUNTED IN BACKSPASH OF SANDWICH UNIT.  
C - MICROWAVE OVEN.
- STUB UP 4" A.F.F. AND BRANCH TO TWO (2) INDIVIDUAL CIRCUITS.  
A - (2) SCALES.  
B - (2) LIGHTS AND BLOWER COILS.
- LOCATE J.B. 24" A.F.F. AND BRANCH TO THREE (3) INDIVIDUAL CIRCUITS.  
A - GLASS/MUG FROSTER.  
B - SODA TOWER  
C - SODA TOWER
- 1 HP CAPILLARY REFRIGERANT CONTROL, 1/4 HP CIRC. SYSTEM. 6'-0" A.F.F. - STUB DOWN FROM CEILING RIGID CONDUIT ALONG WALK-IN.

## GENERAL NOTES - ELECTRICAL

- ALL ELECTRICAL WORK SHALL COMPLY TO N.E.C., LOCAL AND STATE CODES, ORDINANCES AND REGULATIONS, INCLUDING THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT.
- THE ELECTRICAL CONTRACTOR SHALL OBTAIN ALL PERMITS, PAY ALL FEES, INCLUDING ALL COSTS ACCESSED BY THE ELECTRIC UTILITY COMPANY AND ARRANGE FOR ALL INSPECTIONS FOR HIS WORK. AT THE COMPLETION OF ELECTRICAL WORK, THE ELECTRICAL CONTRACTOR SHALL FURNISH THE OWNER WITH ALL CERTIFICATES OF FINAL INSPECTION AND APPROVALS.
- COORDINATE ALL NEW ELECTRICAL UNDERGROUND WORK WITH EXISTING AND NEW UTILITIES BEFORE INSTALLATION.
- ALL ELECTRICAL MATERIALS SHALL BE NEW AND BEAR THE "UL" LABEL OR LISTING.
- ALL BRANCH CIRCUIT WIRE SHALL BE MINIMUM SIZE #12, A.W.G., INSTALLED IN CONDUIT MINIMUM SIZE 1/2", AND SHALL BE TYPE THWN UNLESS OTHERWISE NOTED ON THE PLANS. ALL WIRE SHALL BE COPPER WITH 600 VOLT INSULATION.
- FUSES SHALL BE "UL" LISTED, DUAL-ELEMENT AS MANUFACTURED BY BUSSMANN CO. OR APPROVED EQUAL (200,000 AIC.).
- ALL DUPLEX RECEPTACLES SHALL BE SPECIFICATION GRADE 125 VOLT, 15 AMPERE, GROUNDED TYPE, MANUFACTURED BY HUBBELL #5242, P&S, OR BRYANT.
- SWITCHES SHALL BE 20A, 120/277 VOLT, SPECIFICATION GRADE SINGLE, DOUBLE, ETC., AS INDICATED, AS MANUFACTURED BY HUBBELL #1120 SERIES, P&S, OR BRYANT.
- ALL PLATES FOR SWITCHES AND RECEPTACLES SHALL BE STAINLESS STEEL TYPE 430, HUBBELL "S" SERIES, OR AS SELECTED BY THE ARCHITECT.
- ALL CONDUIT 3" AND LARGER OR IN FLOOR SLAB SHALL BE RIGID GALVANIZED STEEL. ALL OTHER CONDUIT SHALL BE ELECTRICAL METALLIC TUBING; MINIMUM 1/2" SIZE. PLASTIC CONDUIT INSTALLED IN FINISHED AREAS SHALL BE CONCEALED.
- PANELBOARDS SHALL BE 120/208V., 3 PHASE, 4W., 20" WIDE WITH PLUG-IN BREAKERS RATED 10,000 A.I.C. SIMILAR TO SQUARE D, TYPE NQO., I.T.E., OR G.E.
- TIME SWITCHES SHALL BE 7-DAY TYPE, 40A RATED PER POLE, WITH SKIP-A-DAY FEATURE. NUMBER OF POLES SHALL BE AS INDICATED.
- FLUORESCENT FIXTURE BALLASTS SHALL BE 120 VOLT, CLASS P, "A" SOUND RATED, SIMILAR TO JEFFERSON, G.E., OR ADVANCE.
- ALL EMERGENCY LIGHTING FOR EXIT LIGHTS AND BATTERY UNITS SHALL BE IN SEPARATE CONDUIT SYSTEM PER N.E.C. REQUIREMENTS.
- THE ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE BEFORE HE SUBMITS HIS BID TO FAMILIARIZE HIMSELF WITH THE ACTUAL JOB CONDITIONS AND TO CHECK FOR ANY INTERFERENCES BETWEEN HIS WORK AND THAT OF OTHER TRADES, AND/OR ANY APPARENT VIOLATIONS OF LOCAL OR STATE CODES, LAWS, ORDINANCES, AND REGULATIONS. IF ANY INTERFERENCES OR VIOLATIONS APPEAR AND DEPARTURE FROM THE DESIGN INTENT OF THE CONTRACT DOCUMENTS IS REQUIRED, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT BEFORE ENTERING INTO CONTRACT WITH THE OWNER. FAILURE TO PROVIDE THE ARCHITECT WITH THE AFOREMENTIONED NOTIFICATION WILL RESULT IN THE CONTRACTOR BEING HELD RESPONSIBLE TO COMPLETE ALL WORK TO MEET THE INTENT OF THE CONTRACT DRAWINGS WITH NO ADDITIONAL EXPENSE ("EXTRAS") BEING OCCURED BY THE OWNER.
- ALL CABINETS, MOTOR FRAMES, STARTERS, CONDUIT SYSTEMS, PANELS, ETC., SHALL BE THOROUGHLY GROUNDED IN ACCORDANCE WITH THE N.E.C. AND ALL LOCAL CODES.
- ALL DISCONNECT SWITCHES SHALL BE 250V., HEAVY DUTY TYPE, NEMA 1. DISCONNECT SWITCHES FOR OUTDOOR USE SHALL BE NEMA 3R, GENERAL ELECTRIC, WESTINGHOUSE OR SQUARE D.
- SINGLE PHASE MOTOR STARTERS SHALL HAVE MANUAL TOGGLE SWITCH WITH THERMAL OVERLOADS, SURFACE OR FLUSH MOUNTED AS REQUIRED, ALLEN-BRADLEY NO. 600; THREE PHASE MOTOR STARTERS SHALL BE COMBINATION TYPE OR AS NOTED SIZE 1 WITH 3 OVERLOADS AND FUSED CONTROL TRANSFORMER, ALLEN BRADLEY NO. 712.
- STEP DOWN TRANSFORMER SHALL BE DRY TYPE, 150 C. RISE, 480V., 3 PHASE, 3 WIRE PRIMARY, 120/208 VOLT, 3 PHASE, 4 WIRE SECONDARY, (4) 2-1/2% TAPS, 2 BELOW AND 2 BELOW NORMAL. HEVI-DUTY, GENERAL ELECTRIC, OR SQUARE D.
- VERIFY EXACT ELECTRIC UTILITY COMPANY SERVICE POINT AND PRIMARY SERVICE CONDUIT(S) ROUTING AND LENGTH WITH SERVICE PLANNER BEFORE SUBMITTING BID FOR ELECTRICAL WORK.
- FORTY-EIGHT HOURS BEFORE ANY EXCAVATING WORK IS DONE RELATIVE TO ELECTRICAL WORK, CONTACT MISS "DIG" (TOLL FREE), AT (800) 482-7171.
- 30A - 125V RECEPTACLES TO BE COORDINATED WITH TYPE OF PLUGS ON OWNER'S MACHINES.

PROJECT:

MAJOR MAGIC'S - MADISON CENTER

NUMBER:

8219

KLAETKE + MARINO, ARCHITECTS

DATE: 9-29-82

SHEET:

508 MICHIGAN BUILDING

220 BAGLEY

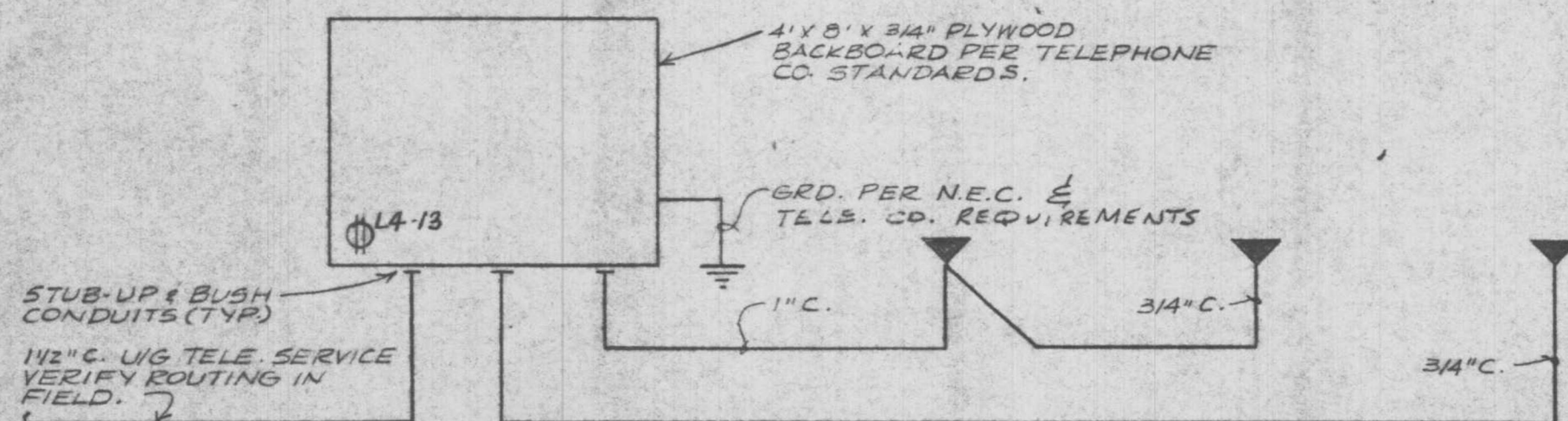
DETROIT, MICHIGAN 48226

(313) 963-2735



SHEET NOTES (POWER)

1. FLUSH SINGLE GANG OUTLET BOX FOR 3/C CURTAIN MOTOR CONNECTION, INSTALL 12" ABOVE PLATFORM.
2. TV MONITOR STATION - FURNISH AND INSTALL FLUSH GROUNDING DUPLEX RECEPTACLE FOR T.V. POWER & ADJACENT BLANKED SINGLE GANG JUNCTION FOR T.V. CABLING. RUN 3/4" C. WITH RG 594 FROM SWITCHBOX AS NOTED. SET RECEPTACLE & SWITCHBOX IN RECESS BY GENERAL CONTRACTOR OR ABOVE SHELF PROVIDED FOR T.V. MONITOR, 3/4" C. W/ RG 594 COAX. LEAVE 12" SLACK @ TERMINATIONS.
3. FURNISH AND INSTALL WORLD DRYER NO. A-5 WHITE, VANDALPROOF HAND DRYER (30 SECONDS/2300 WATT/115 VOLTS).
4. EXTEND 2-CONDUCTOR CURTAIN MOTOR CIRCUIT TO C.B. IN PANEL L-3 FOR SWITCHING CONTROL BY OWNER.
5. VERIFY ALL FLOOR OUTLET LOCATIONS WITH OWNERS BEFORE INSTALLATIONS.
6. DUPLEX GROUNDING OUTLET FOR ANIMATED CHARACTER COMPUTER CIRCUIT FROM PHASE A.
7. DUPLEX GROUNDING OUTLET FOR ANIMATED CHARACTERS SYSTEM FROM PHASE B.
8. FURNISH AND INSTALL WALKER NO. 800 870T IN FLOOR FOR T.V.
9. 5 H.P. 120V/1Ø AIR DRYER WITH MAGNETIC STARTER WITH O.L.'S SIZED FOR F.L.A.
10. TELEPHONE SERVICE BACKBOARD - PROVIDE RACEWAY TO SERVICE POINT IN COMPLIANCE WITH UTILITY REQUIREMENTS.
11. 20 HP 208V/3Ø AIR COMPRESSOR FOR ANIMATED CHARACTORS WITH MAGNETIC STARTERS WITH OVERLOAD PROTECTION.
12. RUN 1/2" CONDUIT WITH RG 594 COAX TO BUSHED TERMINATION ABOVE CEILING OF TECHNICAL ROOM; LEAVE 12" SLACK @ TERMINATION.
13. 4 - 1/16" SQUARE, FLUSHED AND BLANKETED T.V. MONITOR JUNCTION BOX SET WITH CENTERLINE 60" A.F.F.
14. FURNISH AND INSTALL 4 - 1/12" SQUARE FLUSH AND BLANKED AUDIO JUNCTION BOX SET WITH CENTERLINE 60" A.F.F. RUN AUDIO CONDUITS WITH PULL WIRES FROM THIS BOX AS NOTED ON DRAWING. RUN 3/4" x 1" NIPPLE OUT OF TOP SINGLE GANG BLANKED SWITCH-BOX PROVIDED FOR MICROPHONE INSTALLATION. FURNISHING AND INSTALLATION OF CABLING BY OWNER (N/C).
15. FURNISH AND INSTALL (2) 3/4" C. WITH PULL WIRE TO AUDIO JUNCTION BOX (19) FOR AUDIO INPUT AND CABLING BY OWNER.
16. FURNISH AND INSTALL SINGLE GANG SWITCHBOX 7"-6" CENTERLINE A.F.F. FOR AUDIO CABLING.
17. FURNISH AND INSTALL RELOCK NO. PPL-3-E3-S P-F/PPL2043 POWER POLE FINISHED IN MATTE BLACK ENAMEL WITH ADJUSTABLE FOOT ASSEMBLY AND SHALL INCLUDE ADJUSTABLE TOP T-BAR ASSEMBLY AND FOUR (4) 30 AMP SINGLE GROUNDING RECEPTACLES ON CIRCUIT INDICATED. EXTEND 3 NO. 10 CONDUCTORS THROUGH 1/2" FLEXIBLE CONDUIT ATTACHED TO THE KNOCKOUT TO SUPPLY CONNECTION. A BLANKED JUNCTION BOX INSTALLED ABOVE CEILING SYSTEM PROVIDE MINIMUM FLEX LENGTH OF 72".
18. CLEAN CIRCUIT FOR DOCUMENTOR RECEPTACLE IN COUNTER TOP (BY CONTRACTOR) WITH SEPARATE GREEN WIRE GROUND. INSTALL HUBBELL NO. 1G-2310 RECEPTACLE, OUTLETS.
19. 2-1/2" EMT. CONDUIT WITH 4" BLANKED JUNCTION BOX BELOW COUNTER. EXTEND CONDUIT TO BRUSHED TERM. ABOVE CEILING.
20. INSTALL HUBBELL NO. 1G-5261 18" A.F.F. (FOR DOCUMENTER).
21. TO COMPUTER ROOM, COMPUTER CONTROL PANEL CC-SE; FOR SWITCHING BY OWNER.
22. 3/4Ø CONDUIT WITH RG 594 COAX. LEAVE 12" SLACK @ TERMINATIONS.
23. DUPLEX OUTLET ABOVE CEILING FOR BURGLAR ALARM; ISOLATED CIRCUIT.
24. CONTRACTOR TO INSTALL MAXIMUM NUMBER OF CIRCUITS IN EACH CONDUIT TO MINIMIZE THE NUMBER OF RUNS. (PER N.E.C.)
25. CONTRACTOR TO PROVIDE GREEN GROUND WIRE TO ALL BRANCH CIRCUITS.
26. RADIANT HEATER - TYPE EMERSON CHROMOLOX #H5014 - 1500 WATTS 120V/1Ø / 60HZ WITH NICKEL CHROMIUM HEATING ELEMENT. BRIGHT ANODIZED ALUMINUM REFLECTOR AND BUILT IN AUTO RESET OVER HEAT PROTECTOR NEUTRAL GRAY FINISH. INSTALL LINE VOLTAGE THERMOSTAT (FURNISHED BY ELECT. CONTR.) SET THERMOSTAT TO OPERATE AT 45° F.
27. CONTRACTOR SHALL SUPPLY FOR APPROVAL SIX COPIES OF SHOP DRAWINGS TO ARCHITECT TO COMPLETELY IDENTIFY THE QUALITY OF MATERIALS OR EQUIPMENT INTENDED FOR INSTALLATION.



TELEPHONE SYSTEM RISER DIAGRAM

N.T.S.

1. PROVIDE PULLWIRE IN ALL CONDUITS.
2. VERIFY EXACT LOCATIONS OF OUTLETS W/OWNER.

LIGHTING FIXTURE SCHEDULE

TYPE	LAMP	DESCRIPTION	MANUFACTURER
"A"	2 - 40W R.S. DELUXE WARM WHITE	2' x 4' STATIC GRID TROFFER RECESSED WITH FLAT STEEL HINGED DOOR AND SILVER PARAHEX LENS, AND HIGH POWER FACTOR BALLASTS.	LITHONIA #2GS-240 W/ALP #PH245SP-S-120 LOUVER
"B"	4 - 40 W. R.S. DELUXE WARM WHITE	2' x 4' STATIC GRID TROFFER RECESSED WITH FLAT STEEL HINGED DOOR, VIRGIN ACRYLIC PRISMATIC LENS AND HIGH POWER FACTOR BALLAST.	LITHONIA #2GS-440-A12-120
"C"	2 - 40W R.S. DELUXE WARM WHITE	SAME AS TYPE "B" EXCEPT NUMBER OF AMPS.	LITHONIA #2GS-240-A12-120
"D"	1 - 40 W R.S. OR 1 - 30 W R.S.	FLUORESCENT UNDER CABINET FIXTURE WITH HIGH POWER FACTOR BALLASTS. REFER TO EQUIPMENT DRAWINGS FOR DETAILS AND INSTALLATIONS.	LITHONIA #C148 and #C136
"E"	4 - 40W R.S. COOL WHITE	1' x 4' SURFACE MOUNTED WRAPAROUND FIXTURE WITH VIRGIN ACRYLIC PRISMATIC LENS AND HIGH POWER FACTOR BALLAST.	LITHONIA #LB-440A-120
"F"	2 - 40W R.S. COOL WHITE	4' FLUORESCENT STRIP FIXTURE, END PLATES AND HIGH POWER FACTOR BALLAST.	LITHONIA #UN-240-120
"G"	1 - 40W R.S.	FLUORESCENT FIXTURE WITH EXTRUDED ALUMINUM FRONT PANEL WITH WALNUT VINYL TRIM, CLEAR PRISMATIC ACRYLIC LENS, TOP AND BOTTOM AND HIGH POWER FACTOR BALLASTS.	PRESCOLITE #3086 W/1-40W R.S.
"H"	1 - 150W, R-40 FLOOD CLEAR EXCEPT AS NOTED	ROUND RECESSED INCANDESCENT FIXTURE FURNISHED IN A COMPLETELY PRE-WIRED ASSEMBLY WITH COILER BAFFLE. FIXTURES INSTALLED IN SHOWROOM DINING AND PLATFORM DINING SHALL BE FURNISHED WITH DARK BROWN TRIM MATCHING A COLOR SAMPLE FURNISHED BY THE ARCHITECT. ALL OTHER THROUGHOUT THE PROJECT SHALL BE FURNISHED WITH WHITE TRIM. PLAYROOM AND SHOWROOM FIXTURE TO HAVE COLORED LAMPS AS FOLLOWS: R - RED 150W, R-40 FL. B - BLUE 150W, R-40 FL. Y - YELLOW 150W, R-40 FL.	HALO H7T- 410
"J"	1 - 150W R-40 FL	ROUND RECESSED INCANDESCENT FIXTURE FURNISHED IN A COMPLETELY PRE-WIRED ASSEMBLY WITH SCOOP TRIM WALL WASH TRIM.	HALO H7T- 425
"K"	2 - 75W 1F.	SURFACE MOUNTED INCANDESCENT HINGED DRUM FIXTURE WITH 12" ROUND GLASS, OVERALL HEIGHT OF 6-11/16".	PRESCOLITE #9402
"L"	2 - 300W. R-40	BLACK CATALINA FIXTURE, MOUNTED ON BLACK HBC CANOPY ASSEMBLY. (2) FIXTURES PER CANOPY. CANOPY SURFACE MOUNTED ON CEILING.	FIXTURE: SWIVELIER #22201-BK CANOPY: SWIVELIER #29022-BK
"M"	1 - 24W T-10	INCANDESCENT FIXTURE - RECESSED STEPLIGHT WITH FACE PLATE DIMENSION OF 5-1/4" x 8-1/2"	PRESCOLITE #AL - 1.
"N"	1 - DICHROIC PAR-38 SPOT	INCANDESCENT LAMP HOLDER SURFACE MOUNTED ON CEILING. LAMPS TO BE IN COLORS AS NOTED ON DRAWINGS.	SWIVELIER #21541
"P"	75W A-19	VAPORTIGHT FIXTURE WITH LEXAN GLOBE.	STONCO #VCXL-104.
"X"	(2) 15T6/14.5V. AND (2) D.C. LAMPS	UNIVERSAL SELF-POWERED EXIT FIXTURE, STENCIL FACE. BRUSHED ALUMINUM FINISH, NICKEL CADMIUM BATTERY, AND 6" HIGH RED LETTERS.	DUAL-LITE, DEVINE, KEENE, OR AS APPROVED BY ARCHITECT
"EM"	9 WATT D.C.	REMOTE BATTERY PACK WITH (2) LIGHT HEADS, 20 GA. STEEL.	DUAL-LITE MODEL #ML-55-12V.

PROJECT:

MAJOR MAGIC'S - MADISON CENTER

NUMBER:

8219

KLAETKE + MARINO, ARCHITECTS

508 MICHIGAN BUILDING 220 BAGLEY DETROIT, MICHIGAN 48226 (313) 963-2735

DATE: 9.29.82

SHEET: E-4



MAIN DISTRIBUTION PANEL SCHEDULE (M.D.P.)										POWER PANEL SCHEDULE (P.P.-A) (120/208V.-3 $\phi$ -4W)										LIGHTING PANEL SCHEDULE (120/208V.-3 $\phi$ -4W)															
POSITION NUMBER	ITEM	O.C. PROTECTION			CONNECTED LOAD			FEEDER SIZE	NOTES	POSITION NO.	ITEM	O.C. PROTECTION			CONN. LOAD			FEEDER SIZE	NOTES	PANEL	MTS S. R.	LOCATION	MAIN LUGS	MAIN C.B.	20A-1P C.B.	20A-1P SPACES	20A-1P SPACES	OTHER C.B.	CONN. LOAD	NOTES					
		SWITCH	FUSE	POLES	KW	H.P.	FLA.					SWITCH	FUSE	POLES	KW	H.P.	FLA.																		
	EP "K2"	200A	150A	3	42.1	—	117	SEE RISER DIAG.			SPARE	100A	—	3	—	—	—			LP "L1"	—	ELECT. PNL'S. & COMPRESSOR RM.	225A	—	20	4	6	(32) 30A-1P	46.4 KW						
2	EP "K1"	200A	150A	3	39.3	—	109	SEE RISER DIAG.		2	LP "L3"	200A	110A	3	31.0	—	36	SEE RISER DIAG.			LP "L2"	—	ELECT. PNL'S. & COMPRESSOR RM.	225A	—	25	5	12	—	22.6 KW					
3	LP "L4"	100A	60A	3	16.0	—	45	SEE RISER DIAG.		3	HVAC-6	100A	15	3	20.5	—	51	SEE RISER DIAG.			LP "L3"	—	COMPUTER	225A	—				31.0 KW						
4	LP "L2"	100A	80A	3	22.6	—	63	SEE RISER DIAG.		4	HVAC-5	100A	15	3	20.5	—	51	SEE RISER DIAG.			LP "L4"	—	ELECT. PNL'S & COMPRESSOR RM.	100A	—	10	4	10	—	16.0 KW					
5	LP "L1"	200A	175A	3	46.4	—	129	SEE RISER DIAG.		5	HVAC-4	100A	15	3	20.5	—	51	SEE RISER DIAG.			EP "K1"	—	SERVICE CORRIDOR	225A	—	25	3	—	*	39.3 KW					
6	PP "A"	600A	500A	3	141.1	—	392	SEE RISER DIAG.		6	HVAC-3	60A	30	3	7.6	—	21	SEE RISER DIAG.			EP "K2"	—	SERVICE CORRIDOR	225A	—	15	4	—	**	42.1 KW					
										7	HVAC-2	100A	15	3	20.5	—	51	SEE RISER DIAG.																	
										8	HVAC-1	100A	15	3	20.5	—	51	SEE RISER DIAG.																	
TOTALS					307.5	—	855				TOTALS					141.1	—	392																	

## ELECTRICAL SYMBOL LIST

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
□	FLOOR LIGHT FIXTURE	⊕	"WALL WASHER" INCAND. LIGHT FIXTURE	⊕	DUPLEX RECEPTACLE - 15A-125V.	— —	FLOOR STRIP LIGHT FIXTURE
⊗	EXIT LIGHT FIXTURE	⊕	(30A-125V.) FOR GAME MACHINES	SK	KEY OPERATED SWITCH - 20A-125V.	S4	FOUR WAY SWITCH 20A-125V
⊕	SINGLE POLE SWITCH - 20A-125V.	⊕	BATTERY OPERATED EMG. LTG. FIXTURE	⊕	MOTOR SINGLE PHASE	A.F.F.	ABOVE FINISHED FLOOR
⊕3	THREE WAY SWITCH - 20A-125V.	HVAC UNIT	HEATING, VENT. & AIR COND. UNIT	■	MANUAL MOTOR STARTER - P=PILOT LIGHT	E.W.C.	ELECTRIC WATER COOLER
□	DISCONNECT SWITCH F=FUZED	E.F.	EXHAUST FAN	W.P.	WEATHERPROOF	M.D.P.	MAIN DISTRIBUTION PANEL
■	LIGHTING PANEL	⊕	DUPLEX RECEPT. (15A-125V) FOR MACH. (12" AFF.)	G.F.I.	GROUND FAULT INTERRUPTER	T.S.	TIME SWITCH
N.L.	NIGHT LIGHT	②	KITCHEN EXHAUST, ITEM NUMBER	▼	TELEPHONE OUTLET - W= WALL MOUNTED	⊕	REFERENCE NOTE - POWER
⊕	JUNCTION BOX	○	SURFACE MTD. INCAND. LIGHT FIXTURE	⊕	RECESSED ROUND INCAND. LIGHT FIXTURE	⊕	MOTOR - THREE PHASE
⊕	POWER POLE WITH (FOUR)-4 30A-120V. SINGLE OUTLETS						

\* 1-20A-2P  
1-25A-2P  
2-30A-2P  
1-20A-2P

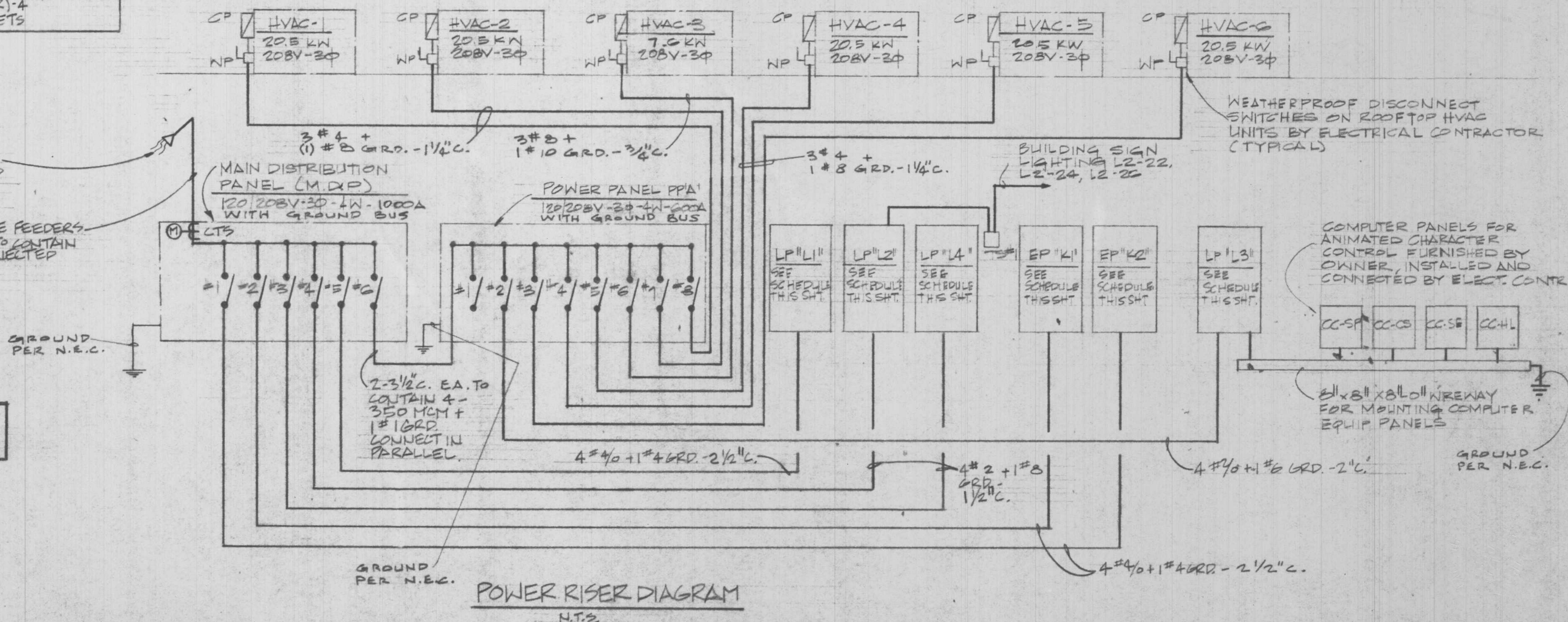
\*\* 6-30A-1P  
1-20A-2P  
4-20A-3P  
1-20A-3P

ELECTRICAL CONTRACTOR TO VERIFY EXACT LOCATION OF PROPOSED D.E. COMPANY 120/208V-3 $\phi$ -4W OVERHEAD SERVICE DROP. PRIOR TO RUSH-IN

SECONDARY SERVICE FEEDERS (4) - 3" C. EACH TO CONTAIN 4-350 MCM CONNECTED IN PARALLEL.

GROUND PER N.E.C.

NOTE:  
ALL CONDUCTORS SHALL BE COPPER.



POWER RISER DIAGRAM  
N.T.S.

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